

"As we celebrate our company's 25th anniversary and our 13th national award, we would like to acknowledge the key role that ELAN has played in our growth and success. No other vendor in the Custom Installation business has the end-to-end depth and quality of products and services that ELAN Home Systems provides."



**Ralph Scrofani and Ron Roslasky**  
Home Systems, Inc.  
Pompton Plains, New Jersey

Life Just Got Better.<sup>®</sup>  
**ELAN**  
elanhomesystems.com

# 2009 Product Catalog



**ELAN**  
HOME SYSTEMS

# STACKED TO PERFECTION.



The all new elegant look –  
Only from **ELAN**.

# 2009 represents a landmark year

for the ELAN brand and catalog. With the launch of 41 new products, it should be a strong and profitable year for our Dealers.

This year presents a powerful new product look, which is not only reflected on newly released products, but we have updated existing flagship models to match so that you can provide the very best looking equipment racks in the business.

Our new Elios™ line, developed with a matching look in mind, encompasses 18 new, truly innovative speakers, with prices to suit every Client.

Now, more than ever, we remain committed to product development that is thoroughly focused on our Dealers and their Clients, and continue to invest heavily in providing world-class service and the most unique Dealer programs in the industry.

On behalf of the employees and management of ELAN, we thank you for your continued support and business, and wish you all the best that 2009 has to offer.

Bob Farinelli  
President & Chief Technical Officer  
ELAN Home Systems



# ELAN AT-A-GLANCE

- Over 200 Custom Installation Core Products
- 12 Important Categories
- Good-Better-Best Perfected
- Simplifying Solutions for Better Design

## ENTERTAINMENT SOURCES



VIA!migo



VIA!-dj/dj-s/dj-hc



DT-22



TGM-100

## SYSTEMS

Integrated Multi-Room Controllers



S66A



S86A

Pre-Amp Multi-Room Controllers



S86P



S1286P

## VIDEO CONTROLLERS



V8



V85

## INTEGRATION



SC1



SS1



IP8



D400



D660



D1650



D12

## ESSENTIALS

### IR

Sensors  
Emitters  
Distribution

### VOLUME CONTROLS

Electronic  
Slider  
Rotary

### STRUCTURED WIRING

Enclosures  
Telephone & Data Hubs  
RF Distribution Hubs  
Home Theater Wall Plates

### ACCESSORIES

Precision Panels  
A/V Wall Plates  
Power Supplies

## USER INTERFACES

Keypads/Touchpads



Z PADS



Ole'



Ole'XL

Touch Panels



VIA!4.0-EM



VIA!7.0-EM

Wireless Touch Panels



VIA!10.0-EM



VIA!Valet10.0-EM

## COMMUNICATIONS



C2



DSC-3



DSF-3



DSS-3

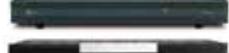
## DOOR STATIONS

AMPLIFIERS

Analog



Z300



Z660



A12

Digital



D400



D660



D1650



D12

SPEAKERS

Elios Architectural Speakers



E75C



E74C



E73C



E73D



E72C



E71C



E70C



E72D



E72W



E71W

Elios Cinema Speakers



E95C



E94C



E93C



E92C



E91C

Sunfire Subwoofers



HRS-8



HRS-10

Outdoor Speakers



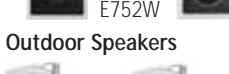
E752W



E552W



E532W



OM650S



OM650



OM525



OE650



OE525

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When you see this symbol, the product is available in either PAL, 230VAC or 240VAC Versions.



ELAN's 2008 Product catalog has been printed with environmentally friendly soy-based inks. We encourage you to recycle.



When you see this symbol, the product is available in either PAL, 230VAC or 240VAC Versions.

All information contained in this catalog is deemed reliable but is subject to change without notice.

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Life Just Got Better®

- VIA!® Touch Panels
- Wireless Touch Panels
- Olé® Film Interactive Touchpads
- Intelligent Keypads
- Volume Controls
- ELAN®TOOLS System Setup Software



## User Interfaces

## VIA!® VALET10.0-EM 10" TABLETOP / UNDER-CABINET TOUCH PANEL / WIDESCREEN VIDEO MONITOR



ORDER NO. VIAVALET100EM



Theme shown above is Metallix\*

On a desk in a home office, a tabletop in the home theater, or under a kitchen cabinet – the VIA!Valet10.0-EM provides your customers with complete control of all their home entertainment, lighting, temperature and security systems, and a perfect way to catch up on the latest news and weather, or view security cameras in and around the home.

Slim, sleek and beautifully finished to blend in with almost any décor, the VIA!Valet10.0-EM features more control surface and viewing area than any other touch panel on the market for the price.

making it easy to see, use and add to any home system. With its 10-inch widescreen display, the VIA!Valet is ideal for TV viewing when in the kitchen or any room that doesn't have a full-sized TV or where space is at a premium. It also provides your customers with the comfort and security of being able to watch security cameras at the touch of a button.

A precision, ultra-smooth hinge makes for easy adjustment to just the right viewing angle and allows the VIA!Valet to fold completely flat when it's not being used.

### FEATURES

- 10-inch color LCD touch panel
- Full-color TV / video monitor with 15:9 aspect ratio
- Controls up to 20 audio/video components, lighting, security, temperature and more
- Customizable graphics and themes
- Sits on a tabletop or easily mounts under a cabinet
- Folds flat when not being used
- Compatible w / every ELAN multi-room controller
- Universal controller for any system
- Easily-accessible download port on back of base
- Easily-accessible Brightness control
- Overlay sticker for easy under-cabinet mounting
- Flip-able ELAN logo for under-cabinet mounting
- Smooth matte finish w/ two-tone frame

### SPECIFICATIONS

Connections . . . . . System Port (RJ-45), Local Port (RJ-45)  
IR In / Out, Sense, & +12VDC Port  
(5-position Screw Terminal)  
Power (2-Position Screw Terminal)  
Video IN / Video Loop OUT ("F" Connector)

Wiring Requirements . . . . . Cat-5 (Data), RG-6 or  
RG-59 Coaxial Cable (Composite Video)

Display . . . . . 10.2" Diagonal, 15:9 Color TFT LCD  
Graphics Resolution . . . . . 372 (W) x 234 (H)  
Video Signal . . . . . NTSC / PAL (auto-switch), Composite  
Viewing Angles. . . . . 65° Up, 45° Down, 65° Left / Right  
from Center

Power . . . . . 16VDC / 625mA

Dimensions

(in.) 11 W x 9.8 H x 9.2 (folded) D  
(mm) 279.4 W x 249 H x 233.7 (folded) D

Weight . . . . . 4.43 lbs / 2kg

CE, IC, C-tick, FCC

\*Note: ELAN shows various screen shots on user interfaces for demonstrating functionality only.  
No relationship or partnerships are implied.



Enhanced programming and graphics with new ELANTOOLS System Setup Software!



VIA! Touch Panels feature dozens of selectable "themes." Shown here are Futura Cool and Traditional Neutral.

**VIA!® 10.0-EM** 10" IN-WALL COLOR TOUCH PANEL / WIDESCREEN VIDEO MONITOR

ORDER NO. VIA100EM



Theme shown above is Metallix\*

The VIA!10.0-EM Touch Panel has all the reliability and smarts needed for complete control of all your client's audio, video and house-wide systems, like all control interfaces in the VIA! line – yet bigger, to suit applications where you may want a larger TV and control surface.

From sophisticated whole-house lighting, temperature and security to reliable IR control of AV components, the VIA!10.0-EM can do it all.

Its 10-inch diagonal viewing area and 15:9 landscape format also make it the perfect in-wall TV monitor, ideal for keeping up to date on the latest news and weather or viewing security cameras in and around the home.

VIA!10.0-EM's slim landscape look and six different wall frame color options bring beautiful décor-matching continuity to every room and are designed to match other VIA! panels and controls from ELAN.



Frame Colors Available: White, Light Almond, Almond, Ivory, Brown and Black



Enhanced programming and graphics with new ELANTOOLS System Setup Software!



VIA! Touch Panels feature dozens of selectable "themes." Shown here are Traditional Bronze and Futura Warm.

**FEATURES**

- 10-inch color LCD touch panel
- Full-color video monitor/in-wall TV w/15:9 aspect ratio
- Controls up to 20 audio/video components, lighting, security, temperature & more
- Customizable graphics & themes
- Non-volatile flash memory
- Easy to program
- Compatible w/ every ELAN multi-room controller
- Universal controller for any system
- System & Local RJ45 ports
- Quick-connect terminals for Local IR In / Out, Sense & +12VDC
- Easy retrofit installation
- Optional VIA100EMBKT Rough-In Brackets available
- Wall frames available in White, Light Almond, Almond, Ivory, Brown & Black
- Ships standard w/ White frame

**SPECIFICATIONS**

Connections . . . . . System Port (RJ-45),  
Local Port (RJ-45)  
Interface Port (5-position Screw Terminal)  
Power (2-Position Screw Terminal)  
Video IN / Video Loop OUT ("F" Connector)

Wiring Requirements . . . . . Cat-5 (data),  
RG-6 or RG-59 coaxial cable (composite video),  
min. 18 AWG 2-conductor twisted-pair (power)

Display . . . . . 10" Diagonal, 15:9 Color TFT LCD

Graphics Resolution . . . . . 372 (W) x 234 (H)  
Video Signal . . . . . NTSC / PAL (auto-switch), CompositeViewing Angles . . . . . 45° Up, 65° Down,  
65° Left / Right from Center

Power . . . . . 16VDC / 625mA

## Frame Dimensions

(in.) 11-5/16 W x 7-1/4 H x 1/4 D  
(mm) 287 W x 184 H x 6 D

## Cutout Dimensions

Approx. (in.) 9-11/16 W x 6-1/16 H  
Approx. (mm) 245 W x 154 H

(Use provided cut-out template for exact dimensions)

Weight . . . . . 3.5 lbs. / 1.6kg

CE, IC, C-tick, FCC

\*Note: ELAN shows various screen shots on user interfaces for demonstrating functionality only.  
No relationship or partnerships are implied.

## VIA!® 7.0-EM 7" IN-WALL COLOR TOUCH PANEL/VIDEO MONITOR

ORDER NO. VIA70EM



Theme shown above is Metallix\*

With its 7-inch diagonal viewing area and 16:9 wide-screen format, the VIA!7.0-EM is more than just a do-it-all user interface; it's also a convenient way to keep up on the latest news and weather. More importantly, its live video monitoring capabilities provide your customers with the means to instantly view security cameras in and around the home.

The VIA!7.0-EM has all the features that made the time-tested, award-winning VIA!6.4 one of the best-selling in-wall touch panels on the market today, including one-touch access to audio and video, lighting, temperature and security systems, real-time video monitoring, customizable layouts,

room-matching screen themes and wall frames, ease of programming and more! It is compatible with every ELAN multi-room controller and can also be used in almost any other home control system.

The VIA!7.0-EM not only provides custom-tailored control of all your client's electronics, but can also be customized to match almost any décor. Its sleek on-wall appearance is defined by finely contoured wall frames available in six different décor-matching colors. You can also choose from a colorful selection of on-screen themes that further enhance the VIA!7.0-EM's aesthetic harmony with your client's environment.



Frame Colors Available: White, Light Almond, Almond, Ivory, Brown and Black



Enhanced programming and graphics with new ELANTOOLS System Setup Software!



VIA! Touch Panels feature dozens of selectable "themes". Shown here are Southwest and Traditional Turquoise.

### FEATURES

- 7-inch color LCD touch panel
- Full-color video monitor / in-wall TV w / 16:9 aspect ratio
- Controls up to 20 audio/video components, lighting, security, temperature & more
- Customizable graphics & themes
- Non-volatile flash memory
- Easy to program
- Compatible w / every ELAN multi-room controller
- Universal controller for any system
- System & Local RJ45 ports
- Quick-connect terminals for Local IR In / Out, Sense & +12VDC
- Easy retrofit installation
- Optional VIA70EMBKT Rough-In Brackets available
- Wall frames available in White, Light Almond, Almond, Ivory, Brown & Black
- Ships standard w / White frame

### SPECIFICATIONS

Connection . . . System Port (RJ-45), Local Port (RJ-45), Interface Port (5-position Screw Terminal), Power (2-Position Screw Terminal), Video IN ("F" Connector), Video Loop OUT ("F" Connector)

Wiring Requirements . . . . . Cat-5 (data), RG-6 or RG-59 coaxial cable (composite video), min. 18 AWG 2-conductor twisted-pair (power)

Display . . . . . 7" Diagonal, 16:9 Color TFT LCD

Graphics Resolution . . . . . 372 (W) x 234 (H)

Video Signal . . . . . NTSC / PAL (auto-switch), Composite

Viewing Angles . . . . . 50° Up, 70° Down  
70° Left / Right from Center

Power . . . . . 16VDC / 500mA

Frame Dimensions

(in.) 8-5/32 W x 4-15/16 H x 1/4 D

(mm) 207 W x 125 H x 6 D

Cutout Dimensions

Approx. (in.) 7 W x 4-1/4 H

Approx. (mm) 177 W x 107 H

(Use provided cut-out template for exact dimensions)

Weight . . . . . 2 lbs. / 0.90kg

CE, IC, C-tick, FCC

\*Note: ELAN shows various screen shots on user interfaces for demonstrating functionality only. No relationship or partnerships are implied.

## VIA!® 4.0-EM 4" IN-WALL COLOR TOUCH PANEL / VIDEO MONITOR

ORDER NO. VIA40EM



Theme shown above is Metallix\*

The VIA!4.0-EM's small, unobtrusive footprint and affordable price allows it to be installed just about anywhere.

Depending upon your clients' needs and space requirements, this sleek 4-inch full-color touch panel is the perfect solution. Its smaller size and cost provide an opportunity to have full touch screen control in spaces where larger VIA! panels either will not fit or where price is a consideration. Stepping up from a keypad to a new VIA!4.0-EM also means that viewing everything from security

cameras to the morning news is now available almost anywhere.

The VIA!4.0-EM has all the award-winning features and renowned reliability that has made VIA! one of the best-selling line of touch panels on the market today, but provides a slim on-wall appearance that looks great in any room. The finely contoured wall frame is available in six different décor-matching colors.

The VIA!4.0-EM – touch panel control for any room in the house.



Frame colors available: White, Light Almond, Almond, Ivory, Brown and Black



Enhanced programming and graphics with new ELANTOOLS System Setup Software!



VIA! Touch Panels feature dozens of selectable "themes." Shown here are Traditional Green and Futura Neutral.

### FEATURES

- 4-inch color LCD touch panel
- Full-color video monitor / in-wall TV
- Controls up to 20 audio / video components, lighting, security, temperature & more
- Customizable graphics & themes
- Non-volatile flash memory
- Easy to program
- Compatible with every ELAN multi-room controller
- Universal controller for any system
- System and Local RJ45 ports
- Quick-connect terminals for IR In / Out, Sense & +12VDC
- Easy retrofit installation
- Optional VIA40EMBKT Rough-In Brackets available
- Wall frames available in White, Light Almond, Almond, Ivory, Brown & Black
- Ships standard w / White frame

### SPECIFICATIONS

Connections . . . . . System Port (RJ-45), Local Port (RJ-45)  
 Interface Port (5-position Screw Terminal)  
 Power (2-Position Screw Terminal)  
 Video IN ("F" Connector)  
 Video Loop OUT ("F" Connector)

Wiring Requirements . . . . . Cat-5 (data),  
 RG-6 or RG-59 coaxial cable (composite video),  
 min. 18 AWG 2-conductor twisted-pair (power)

Display . . . . . 4" Diagonal Color TFT LCD  
 Graphics Resolution . . . . . 372 (W) x 234 (H)  
 Video Signal . . . . . NTSC/PAL (auto-switch), Composite  
 Viewing Angles . . . . . 10° Up, 30° Down  
 45° Left / Right from Center

Power . . . . . 16VDC / 500mA

Frame Dimensions

(in.) 5-1/4 W x 3-7/8 H x 1/4 D  
 (mm) 133 W x 98 H x 6 D

Cutout Dimensions

Approx. (in.) 4-3/8 W x 3-3/8 H  
 Approx. (mm) 111 W x 86 H

(Use provided cut-out template for exact dimensions)

Weight . . . . . 1 lb./0.45kg  
 CE, IC, C-tick, FCC

\*Note: ELAN shows various screen shots on user interfaces for demonstrating functionality only.  
 No relationship or partnerships are implied.

## XP-8.4 8.4" WIRELESS TOUCH PANEL INTERNATIONAL

ORDER NO. XP84



Theme shown above is Metallix\*

The XP-8.4 Wireless Touch Panel is a powerful combination of wireless control technology, systems integration and automation for the home.

Bold and beautiful color graphics on this large 8.4-inch display make for an exciting, user-friendly experience every time you lay a finger on it. The high-brightness LCD display features stunning selectable "themes" that allow you to customize the look and feel of the display to match personal tastes, room décors and other ELAN touch panels in the home. And with 8.4 inches of diagonal screen area, each and every custom layout features large, easy-to-read buttons and text for the

control of audio/video components, lighting, temperature, drop-down screens, projection lifts, drapes, blinds and more.

The XP-8.4 gives you real-time status display of lighting, temperature and security systems plus instant "Now Playing" information from favorite music sources. Its built-in Web browser and robust Wi-Fi link make it easy to connect to the Internet, and its large 8.4-inch screen makes surfing the Web a pleasurable experience. The XP-8.4 lets you stream Internet audio/video and supports Flash® Player, allowing your clients to view the most vivid

content on the Web. Built-in speakers and a headphone jack let you listen to Web-based audio while you're browsing.

The XP-8.4 ships standard with a deluxe tabletop recharge/docking cradle featuring a back-up Ethernet port and a USB port for easy connection of a USB keyboard or mouse for enhanced Web browsing. Also included is an extended-life battery pack for up to six hours of use.

## XP-8.4 8.4" WIRELESS TOUCH PANEL (CONTINUED)

ORDER NO. XP84



### FEATURES

- 8.4-inch, high resolution wireless color touch panel
- Provides wireless control of ELAN Multi-Room Systems, lighting, climate, security & more
- View 2-way "Now Playing" info from most ELAN entertainment sources
- View real-time status of compatible lighting, temperature & security systems
- True Web browsing w / streaming A / V & Flash support
- 802.11a / b /g Wi-Fi network interface for fast, long-range operation
- Robust XP embedded operating system

- Advanced tabletop docking/charging station w / USB & Ethernet ports included
- Extra-long-life battery pack for up to 6 hours of viewing\*\*
- Outdoor display option
- Selectable screen layouts match décor & other ELAN user interfaces
- Built in speaker & headphone jack for Web-based audio

\*Note: ELAN shows various screen shots on user interfaces for demonstrating functionality only. No relationship or partnerships are implied.

\*\*Note: Operation times may vary depending on configuration and usage.



Enhanced programming and graphics with new ELANTOOLS System Setup Software!



VIA! Touch Panels feature dozens of selectable "themes." Shown here are Trek and dj-esque.

### SPECIFICATIONS

#### Display

Type ..... 8.4 in. high brightness TFT LCD

Resolution ..... 800 x 600 (SVGA)

Viewing Angles ..... 60° up, 35° down, 45° left / right from center

Processor ..... AMD Geode LX 800

Software Operating System ..... Windows XP Embedded

Memory/Storage ..... RAM 512MB; Flash 1GB

Wireless Network Interface ..... internal 802.11 a/b/g

Input Ports ..... 12V DC-in Jack; Headset jack

Operating Temperature ..... 32-104°F (0°-40°C)

Power Requirements ..... 12VDC, 3.5A

#### Dimensions

(in.) 9-7/16 W x 7-15/16 H x 13/16 D

(mm) 244 W x 200 H x 20 D

Weight w / Internal Battery ..... 2.4 lbs/1.1kg

cULus, CE, C-tick, FCC

### 2009 RELEASE NOTES (as of this printing)

- IP8 Wireless Touch Panel Interface or SS1 System Station required
- E-mail is supported through Web-based e-mail services only

### IP8 8-ZONE WIRELESS TOUCH PANEL INTERFACE



The IP8 interfaces up to 8 ELAN Wireless Touch Panels into any ELAN Multi-Room System. See pg. 27

### SS1 SYSTEM STATION



The SS1 interfaces a single ELAN Wireless Touch Panel to any ELAN Multi-Room Controller and also provides sense inputs, relay outputs and 4 RS-232 ports for subsystem integration. See pg. 26

## N800 4" HANDHELD CONTROLLER ORDER NO. N800



Theme shown above is Metallix\*

The N800 gives your clients broad control of their ELAN system from a powerful, user-friendly handheld device.

Stellar color graphics are displayed on a high-resolution widescreen display. Customizable screen layouts, real-time status display of lighting, temperature and security systems, and instant 'Now Playing' information from VIA!®dj Digital Music Servers, SIRIUS, XM™ Radio and more, provide for user-friendly operation.

The N800 has a built-in Web browser and robust WiFi link that make it easy to connect to the Internet; but its high-res color display, full-screen touch keyboard, zooming and panning capabilities are what will make surfing the Web a pleasurable experience.

Flash Player support allows your clients to view the most vivid content on the Web. Built-in stereo speakers let them listen to Web-based audio while they're browsing.

You can even match the N800's on-screen "skins" to look and feel like other ELAN user interfaces in the home (VIA! Touch Panels and Olé Touchpads) so that controlling the system is easy and familiar regardless of the room you're in.

The bottom line is that the N800 provides reliable wireless control of all your client's entertainment, theater, and whole-house systems, plus direct access to the Internet, in a sleek hand-held package that makes it the ideal go-anywhere, do-anything controller for the entire house.

### FEATURES

- Portable, handheld control of ELAN systems
- 2-way feedback from most ELAN entertainment sources
- 2-way feedback from supported ELAN Integration Partner systems
- High-resolution 4.13" widescreen display
- Web browser w / Flash support
- Zoom, full-screen & panning functions
- Full-screen finger keyboard
- Easy Internet connection over WiFi
- Auto connection to saved WiFi hot spots
- Compatible w / all ELAN Multi-Room Controllers
- Matching VIA! & Olé skins
- Built-in stereo speakers
- Integrated desk stand

**\*Note:** ELAN shows various screen shots on user interfaces for demonstrating functionality only. No relationship or partnerships are implied.

**\*\*Note:** Operation times may vary depending on configuration and usage.

### IP8 8-ZONE WIRELESS TOUCH PANEL INTERFACE



The IP8 interfaces up to 8 ELAN Wireless Touch Panels into any ELAN Multi-Room System. See pg. 27

### SPECIFICATIONS

#### Display

Size ..... 4.13", 16:9 widescreen

Resolution ..... High-resolution 800 x 480 pixels

Colors ..... 65.5k

#### Web Browser

Audio ..... AAC, AMR, MP2, MP3, RA (Real Audio), WAV, WMA

Image ..... BMP, GIF, ICO, JPEG, PNG, TIFF, SVG-tiny

Video ..... 3GP, AVI, H.263, MPEG-1, MPEG-4, RV (Real Video)

Internet radio playlists ..... M3U, PLS

Supports Flash

Memory & Storage ..... RAM 128MB, Flash 256MB

WLAN ..... 802.11b / g

Operating temp ..... 14° to 131° F, -10° to 55° C

Operating times\*\* ..... Standby: up to 10 days; Operation: up to 3 hours

Color ..... Cool Silver front, Matte Black back

Weight ..... 7.27 oz. / 206g

#### Dimensions

(in.) 5-7/10 (W) x 3 (H) x 1/2 (D)  
(mm) 144 (W) x 75 (H) x 13 (D)

#### IC, FCC

### UPDATES FOR 2009

The N800 now supports ELAN's VIA!migo™ iPod Integration Dock w / full control & 2-way feedback

### 2009 RELEASE NOTES (as of this printing)

- IP8 Wireless Touch Panel Interface or SS1 System Station required
- Some inherent functionality of this product's platform, such as the built-in camera, video conferencing, photo viewing & other functions have been intentionally disabled to reduce support & operational issues for Dealers & Customers
- E-mail is supported through Web-based e-mail services only
- Proprietary software in the ELAN N800 is not compatible w / other Nokia N800 or web tablet models purchased elsewhere

### SS1 SYSTEM STATION



The SS1 interfaces a single ELAN Wireless Touch Panel to any ELAN Multi-Room Controller and also provides sense inputs, relay outputs and 4 RS-232 ports for subsystem integration. See pg. 26

## Olé® FILM INTERACTIVE TOUCHPAD INTERNATIONAL

### ORDER NO. OLE

Not a touch panel; much more than a traditional keypad; Olé® is a completely new kind of in-wall interface that combines all the speed, response and color graphics of an LCD touch screen with the simplicity and affordability of a keypad. Olé is a Touchpad – and a FIT – anywhere and everywhere in the home.

Every Olé can be personalized with an inspired collection of slide-in films in a wide variety of colors, styles and themes. What's more, each Olé can be customized to meet the level of control desired in any room. The 17- and 25-function layouts of each film style allow your clients to select the level of control depending on the user and the room.

Over 100 custom designer combinations can be created with Olé's collection of slide-in films and décor-matching frames. Available in two finely-contoured styles, Standard and Euro, each frame is available in six different colors.

The crisp, full-color, graphics and text displayed on Olé's Organic LED (OLED) provide instant, friendly feedback as you navigate through source selections.

Enter a whole new era of customized multi-room control with the world's first Film Interactive Touchpad (FIT).



Olé ships standard with the three designer films shown here. Top left is Southwest; bottom left is Metallix and above is Traditional\*.



At left, Olé®XL with Source Icons; above, Olé®XL with Metadata.

OléXL features the same stellar collection of slide-in designer films and on-wall frames as the original Olé, but offers even more customization of control and feedback through its 2.1" OLED display.

Additional buttons, with icons or text, can be arranged right over the display area to provide more control options such as multiple source select pages, numeric keypad and DVD/DVR menu navigation. The larger display, with its six lines of metadata, also provides a more detailed view of "Now Playing" information from source components such as iPod® and SIRIUS Satellite Radio.

\*Note: Olé & OléXL films are subject to change without notice. To see the latest collections, please go to [www.elanhomesystems.com/films](http://www.elanhomesystems.com/films).

## Olé®XL FILM INTERACTIVE TOUCHPAD INTERNATIONAL

### ORDER NO. OLE2XL

Olé®, the world's first Film Interactive Touchpad, ushered in a whole new era of customized control. Now, Olé®XL gives your clients yet another affordable, ground-breaking option for personalized control of multi-room A/V systems.

At left, Olé®XL with Source Icons; above, Olé®XL with Metadata.

OléXL features the same stellar collection of slide-in designer films and on-wall frames as the original Olé, but offers even more customization of control and feedback through its 2.1" OLED display.

Additional buttons, with icons or text, can be arranged right over the display area to provide more control options such as multiple source select pages, numeric keypad and DVD/DVR menu navigation. The larger display, with its six lines of metadata, also provides a more detailed view of "Now Playing" information from source components such as iPod® and SIRIUS Satellite Radio.

\*Note: Olé & OléXL films are subject to change without notice. To see the latest collections, please go to [www.elanhomesystems.com/films](http://www.elanhomesystems.com/films).

## Olé® & Ole®XL FILM INTERACTIVE TOUCHPADS (CONTINUED)

### OLÉ® & OLÉ®XL COMMON FEATURES

- Touch screen response & graphics, keypad simplicity & price
- Full color OLED display for system & metadata feedback
- Colorful slide-in designer films for the ultimate in customization
- 2 wall frame styles available in 6 colors
- Largest touch area of any 2-gang product
- Light sensor for auto dimming & brightening
- Audible touch feedback thru built-in speaker
- Integrated IR receiver
- External IR In / Out port
- Quick & easy programming
- USB port for easy downloads
- Use with any ELAN or stand-alone system
- Fits in a standard 2-gang box
- Patent-Pending, one-of-a-kind design

### OLÉ® SPECIAL FEATURES

- 17- & 25-function layouts for customized control
- Over 100 custom combinations

### OLÉ®XL SPECIAL FEATURES

- User-friendly 15-function layout
- Over 70 custom combinations
- Extra large 2.1" color OLED display that provides:
  - Expanded "Now Playing" metadata from 2-way sources
  - Multiple pages for easy source selection
  - DVD / DVR menu navigation & more



Below are 17- and 25-function films now available for Olé. From left to right are: Traditional, iPod® Ebony, Southwest, Metallix, Almond and Futura.



O2-TRA-A-17



O2-PCM-C-17



O2-STN-A-17



O2-VIM-C-17



O2-KPM-C-17



O2-VIM-A-17



O2-TRA-A-25



O2-PCM-C-25



O2-STN-A-25



O2-VIM-C-25



O2-KPM-C-25



O2-VIM-A-25



Below are films now available for OleXL. From left to right are: Traditional, iPod® Ebony, Southwest, Metallix, Almond and Futura.



O2-TRA-A-XL



O2-PCM-C-XL



O2-STN-A-XL



O2-VIM-C-XL



O2-KPM-C-XL



O2-VIM-A-XL

### OLÉ® & OLÉ®XL SPECIFICATIONS

Screen Size ..... 3-3/4" diagonal  
Viewing Angle ..... 180° up / down, 180° left / right  
Operating Temp. ..... 32°F-104°F / 0°C-40°C

#### Olé OLED Display

Type ..... 16 bit, 1.2" Organic LED (OLED)  
Colors ..... 65k  
Resolution ..... 96 pixels (W) x 64 pixels (H)

#### OleXL OLED Display

Type ..... 18 bit, 2.1" Organic LED (OLED)  
Colors ..... 262k  
Resolution ..... 160 pixels (W) x 128 pixels (H)

#### Connections

System Port ..... RJ-45  
Interface Port ..... 5-position screw terminal  
Download Port ..... Mini USB  
Wiring Requirements ..... Cat-5  
Power Requirements ..... 12VDC / 150mA or 16VDC / 150mA

#### Dimensions w/Wall Frame

(in.) 4-5/8 W x 4-5/8 H x 1-3/16 D  
(mm) 117 W x 117 H x 30 D

#### Dimensions w/o Wall Frame

(in.) 4-7/16 W x 4-7/16 H x 1-1/8 D  
(mm) 112 W x 112 H x 26 D

Fits in standard 32 cu. in. double-gang electrical box  
Weight ..... 14 oz. / 0.4kg  
CE, C-tick, FCC

### OLÉ® & OLÉ®XL WALL FRAMES

The Olé Standard Wall Frames, shown below, are designed to bring uniformity to a room by matching the look and dimensions of today's popular light switch plates.



The Olé Euro Wall Frame (right) has smooth, rising contours with rounded corners – distinctly European.

Both Standard and Euro

Frame styles are available in these 6 décor-matching colors: White, Light Almond, Almond, Ivory, Brown and Black.

#### Olé Family Awards:



## Z•100 INTELLIGENT KEYPAD

ORDER NO. Z100W



The Z•100 offers advanced IR control of any system and 12 A/V sources in a single-gang Decora®-style design.

The Z•100 is a “learning” keypad that is compatible with virtually all IR controllable A/V distribution systems and source components on the market today, and with all ELAN multi-room controllers. Its non-volatile flash memory allows for in-store programming of each keypad. Multi-command sequences can be programmed onto any Z•100 key.

The Z•100 features bi-colored LEDs that provide feedback for source select and music detect (S128P systems only). Molded keycaps lend a subtle profile that works well in any decor. Individual micro switches provide audible and tactile feedback when each button is pressed. A large assortment of keycap options allow customization of source-select and function keys.

### FEATURES

- “Learning” keypad controls up to 12 A / V sources
- Compatible w/all ELAN multi-room controllers
- Hard keycaps over micro switches
- Program multi-command sequences on any key
- Single-gang Decora®-styling
- Non-volatile flash memory
- 105 source name & genre keycaps (incl.)
- Easy to program
- Ships standard in White. Color change kits available in Ivory, Almond, Brown & Black

### SPECIFICATIONS

Power Requirements. . . . . 50 mA @ +12VDC  
 Wire requirements. . . . . single run of Cat-5  
 Fits in standard 1-gang box

## Z•150 DIRECT ACCESS COMPANION

ORDER NO. Z150W



Add the Z•150 Direct Access Companion to expand the capabilities of a Z•100 to include ten-key numerical select, additional sequences, S128P and S86P/A EQ control and a built-in IR receiver. The Z•150 also adds control of a 13th source, i.e. a TV or stereo located in the same room as the keypad.

### FEATURES

- Provides 10-key direct access
- Built-in IR receiver
- Select & control a 13th local source
- Program sequences on any key
- Provides EQ control for S128P
- Quick-connect ribbon cable to the Z•100 (incl.)
- Ships standard in White. Color change kits available in Ivory, Almond, Brown & Black

### Z•100 / Z•150 COLOR CHANGE KITS

Each kit includes inserts & all the buttons for both the Z100 & Z150.

ORDER NO.	Description
Z1FPKw	White Color Change Kit
Z1FPKa	Almond Color Change Kit
Z1FPKi	Ivory Color Change Kit
Z1FPKb	Black Color Change Kit
Z1FPKbr	Brown Color Change Kit

## VOLUME CONTROLS INTERNATIONAL

Available in Electronic, Slider and Rotary versions, ELAN's precision Volume Controls have a sleek, ergonomic design that makes them easy to use and a fit for any décor. All come with a Lifetime Warranty.

Engineered to precise specifications, all models utilize ELAN's Equi-Step™ technology which provides audibly equal volume increments over all 12 steps. Precision-wound transformers with vacuum impregnated high-grade silicon steel laminates ensure super-flat frequency response with no inductive resonance. Positive Temperature Coefficient (PTC) circuitry protects both the volume control and amplifier from damage in the event of a mis-wire.

Each volume control has four impedance-match settings for optimal performance in multi-room applications. Labeled, removable connectors accept up to 14 AWG wire and are designed to go on only one way – making wire terminations trouble-free and easy.



ELAN's patented Override circuit, available on three models, allows page and door chime audio to be heard over the speakers even if the volume control is turned all the way down. Page and doorbell audio levels can be set individually for each room.

All ELAN Volume Controls ship standard in White, but are easily transformed with décor-matching trim kits available in White, Almond, Light Almond, Ivory, Brown and Black.



Colors: White, Almond, Light Almond, Ivory, Brown and Black

### COMMON FEATURES

- Sleek, ergonomic on-wall appearance
- Screw-less wall plates
- Electronic, slider & rotary models
- Patented Page / Doorbell Override feature (VSE2, VSOS, VMOS only)
- Equi-Step™ technology for smooth ramping
- PTC protection circuitry (except VSR35)
- 4 impedance-match settings
- Ships standard in White, Almond, Light Almond, Ivory, Brown & Black trim kits sold separately
- Individually packaged in high-visibility retail carton
- Ships in quantities of 6
- Lifetime warranty

### VSE2 100WPC ELECTRONIC VOLUME CONTROL w / OVERRIDE

ORDER NO. VSE2

Representing the state-of-the-art in volume control technology, the 100WPC VSE2 does away with the traditional rotary knob, opting for a sleek "keypad-type" look with low profile buttons. Micro-miniature LEDs provide discrete, yet easy-to-see, volume level feedback. Large, user-friendly Volume UP and DOWN

buttons makes adjusting the level easy. The MUTE button mutes the volume completely. Page and doorbell Override levels, as well as turn-on levels, are easily programmable via the front buttons. A built-in IR receiver allows for armchair control from across the room. Remote control included.



VSE2 Remote

### VSOS 100WPC STEREO VOLUME CONTROL w / OVERRIDE, SLIDER

ORDER NO. VSOS

### VMOS 100WPC MONO VOLUME CONTROL w / OVERRIDE, SLIDER

ORDER NO. VMOS

### VSS 100WPC STEREO VOLUME CONTROL, SLIDER

ORDER NO. VSS

Featuring smooth, 12-step sliders and a sleek, tapered design, these high-power volume controls meet the aesthetic standards of your clients and the design standards for all your multi-room applications. The VSOS and VMOS, with ELAN's patented Page/Doorbell Override control, feature easy-to-configure jumpers that allow you to set the page and doorbell override

levels in each room. Mono volume controls, such as the VMOS, have numerous applications in distributed audio systems. In fact, any room without a stationary listening area is a prime candidate for speakers with a combined Left/Right signal. The VSS is perfect for rooms where page & doorbell override is not required.



**VSR** 100WPC STEREO VOLUME CONTROL, ROTARY

ORDER NO. VSR

**VSR35** 35WPC STEREO VOLUME CONTROL, ROTARY

ORDER NO. VSR35

ELAN offers two Decora®-style stereo volume controls with traditional rotary knobs that incorporate the same precision engineering and sound quality as their "slider" counterparts.

The VSR is a high-power rotary volume control rated at 100WPC RMS. The VSR35, rated at 35WPC RMS, is ideal for low-power applications and boasts a price that can accommodate any budget.

**Volume Control Specifications**

	<b>VSE2*</b>	<b>VSOS</b>	<b>VMOS</b>	<b>VSS</b>	<b>VSR</b>	<b>VSR35</b>
Type	Electronic	Slider	Slider	Slider	Rotary	Rotary
Stereo/Mono	Stereo	Stereo	Mono	Stereo	Stereo	Stereo
Override	Yes	Yes	Yes	No	No	No
Power Handling	100 WPC RMS	100 WPC RMS	100 W RMS	100 WPC RMS	100 WPC RMS	35WPC RMS
Impedance Match Setting	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	2x, 4x, 8x, 16x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Override Control	+12VDC @ 45mA	+12VDC @ 45mA	+12VDC @ 45mA	N/A	N/A	N/A
Maximum Attenuation	-56dB @ 8x, last step	-56dB @ 8x, last step	-56dB @ 16x, last step	-56dB @ 8x, last step	-56dB @ 8x, last step	-56dB @ 8x, last step
Compatible ELAN Amps	All	All	All	All	All	MAC24, A1240

All are cTUVus Certified: CE, IC, C-tick, FCC

\*Requires PWR12 Power Supply for most applications

**VWFK/VWSK** WEATHERPROOF VOLUME CONTROL KITS

ORDER NO. VWFKW/VWSKW

ELAN Weatherproof Volume Control Kits provide a weather-tight enclosure for the VSR and VSR35 Stereo Volume Controls that allows you to install them outdoors or in high-humidity areas such as saunas and indoor pools.

The VWFK Weatherproof Flush-Mount Volume Control Kit is designed to seal tight around a flush-mounted, single-gang box. The VWSK Weatherproof Surface-Mount Volume Control Kit is made for surface-mount applications and can be mounted directly onto 3/4 in. PVC conduit.

Available in White, each kit features a UV-resistant face plate, low-profile knob, and weather-sealing gaskets that keep out the elements.

**FEATURES**

- Weather-tight enclosure for ELAN VSR & VSR35 rotary volume controls
- UV-resistant face plate & knob
- Available in White



VWFKW-LC



VWSKW-LC

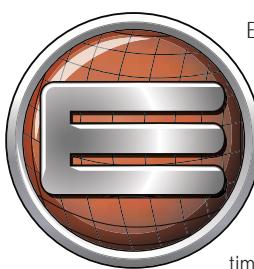


Colors: White, Almond, Light Almond, Ivory, Brown and Black

**VOLUME CONTROL DESIGNER TRIM KITS**

ORDER NO.	Description
VETK	Electronic Volume Control Trim Kit 6-pack
VSTK	Slider Volume Control Trim Kit 6-pack
VRTK	Rotary Volume Control Trim Kit 6-pack
	<ul style="list-style-type: none"> <li>■ For use with all new Electronic, Slider &amp; Rotary Volume Control models</li> <li>■ Precise color-matching of inserts, frames &amp; knobs</li> <li>■ Individually packed in high-visibility retail carton</li> <li>■ Sold in 6-packs</li> <li>■ Colors: White, Almond, Light Almond, Ivory, Brown &amp; Black</li> </ul>

ELAN® TOOLS SYSTEM SETUP SOFTWARE



ELAN®TOOLS is the next generation of ELAN System Setup Software for Dealers and was specifically designed to save you hours of programming time!

Its intuitive Windows®-like dropdowns and navigation makes the setup of everything from VIA!® Touch Panels and Ole® Touchpads to Multi-Room Controllers and RS-232 Drivers as easy as point-and-click.

ELANTOOLS incorporates a host of new and innovative features that programmers have been asking for, including centralized downloading to all

zones at once, quick-loads for fast 1-minute updates and enhanced graphics setup and quality. Two new, huge time-saving features are "Auto-Fill", which gives the programmer the ability to associate any device (i.e. a cable box, CD, DVD, Tuner, Alarm, etc.) to a button, page, or an entire template. Once this is done, RS-232 and IR commands will automatically be filled in. Need to switch out a device? Just re-associate to the new device and all commands will be switched out automatically!

The second is "Mirroring", which allows button graphics, position and even macro programming of nearly any button on any touch panel page to be automatically reproduced – or "mirrored" – to nearly any other page on the panel, saving tons of programming and layout time!

Another new feature of ELANTOOLS permits the quick and easy integration of 3rd party switching devices. Programmers can now build a "generic" switching matrix with IR and RS-232 commands that allow these devices to integrate seamlessly with ELAN Multi-Room Controllers and be controlled from ELAN touch panels and touchpads.

ELANTOOLS new VIA!Net Analyzer makes system troubleshooting a breeze with real-time scanning and detailed reporting of each device's identification, communications and programming status.

Additionally, ELANTOOLS now makes it easy to configure up to eight SS1 System Stations and program up to 32 RS-232 Com Ports for whole-home control of lighting, climate, pool and spa, security and much more.

ELAN® TOOLS SYSTEM SETUP SOFTWARE (CONTINUED)

## FEATURES

- Centralized downloading to all zones at once
- Quick-loads for fast, 1-minute updates
- Enhanced graphics setup & quality
- “Auto-Fill” of RS-232 & IR commands
- “Mirroring” of button graphics, positions & macros
- Generic switching matrix for easy integration of 3rd-party components
- Fast, easy setup of up to 32 SS1 Com Ports
- VIA!Net Analyzer for easy troubleshooting
- Internationally compatible w/ any region
- Intuitive Windows-like navigation



## Local TV Channel icons

## PC REQUIREMENTS

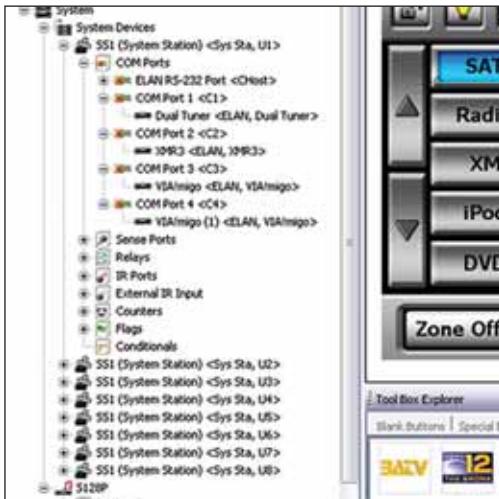
- Windows XP or Vista (with latest Service Pack)
- Pentium 4 processor (1.5GHz or higher)
- 512MB RAM min. (1GB+ recommended)
- 5GB free hard drive space
- DB9 RS232 port
- RJ45 Ethernet Port
- USB Port
- Widescreen display recommended
- An active internet connection is required for installation

2009 RELEASE NOTES (as of this printing)

- One SS1 is required for system-wide 2-way RS-232 feedback display on ELAN Touch Panels and Olé Touchpads
- An IR Learner is required for the initial loading of hardwired VIA! Touch Panels and for the learning of IR commands that do not reside in the ELANTOOLS IR library.



## Alignment and sizing toolbar



## Program Multiple SS1 Systems Stations

IR LEARNER (Formerly VIA! Learner)

ORDER NO. IRLFARNER

The IR Learner (formerly called the VIA! Learner) is an easy-to-use, high performance IR learner that can capture virtually any pulsed or carrier-based IR command. Learn and test with onboard IR blasters

and archive learned libraries directly to a PC. The IR Learner is also the initial download interface between a PC and an ELAN VIA! Touch Panel or Z•PAD.



## FEATURES

- Captures carrier-based & pulsed IR commands
- Learn-&-test feature confirms each command is properly captured
- Store learned code sets in ELANTOOLS IR libraries
- Download interface between VIA! Touch Panels, Z•PADs & PC
- 500kHz capture bandwidth
- 127 pulse data capture & compression algorithms
- Power supply, RS-232 & download cables (incl.)

- S128P
- S86P
- S86A
- S66A
- Multi-Room Controller Accessories



## Multi-Room Controllers

# STACKED TO PERFECTION.

## ELEGANCE BEYOND COMPARE.

At ELAN, we recognize that our valued Dealers are in the business of delivering highly unique experiences, unmatched services and exceptional quality to their Clients.

In 2009, we are proud to deliver our new, elegant selection of multi-room entertainment and control products so that you can provide your Clients with the very best looking, contemporary equipment racks in the business.

ELAN's across-the-board brushed black and satin silver styling of all newly released components brings a new level of class and continuity to your installation, turning every rack into a work of art that your Clients will surely appreciate and show off.

Additionally, we have taken care to go back to some of our most popular models, such as our Multi-Room System Controllers, and upgrade them to the new look so that your racks are perfectly matched.

Elios™, our new line of eighteen architectural & cinema speakers, also conform to our elegant new look, incorporating dark charcoal baffles and a fine silver trim that evokes a feeling of new brand continuity throughout the house.

Welcome to a whole new era of style and sophistication from ELAN.



## S128P MULTI-ROOM A/V CONTROLLER (Formerly S12)

ORDER NO. S128P **ELAN's Flagship Model**



Also Available in 240VAC Version (Order No. S128P-240)

The S128P is ELAN's most powerful and flexible multi-source/multi-zone controller to date.

Directly addressing the need to distribute more A/V sources to more rooms, the S128P has line-level inputs for 12 audio sources and a built-in high-definition video switcher for the distribution of both composite and component video sources. Additionally, the S128P has eight local source inputs, allowing you to place "private" audio sources in each zone (i.e. a CD player in the master bedroom).

The on-board video switcher provides the ultimate in flexibility. The S128P can route up to 16 composite video sources to any of its 16 video outputs. It can also distribute the Y/P<sub>b</sub>/P<sub>r</sub> signals from up to five component video sources and handle high-definition video signals for house-wide

distribution. If you want to keep it simple, right out of the box the S128P's audio inputs are automatically linked with the first 12 video inputs – just select a source and the audio and video will switch simultaneously.

One S128P can independently access music and video in up to eight zones. Up to four S128Ps can be linked together, giving the system designer and the homeowner the flexibility they need to create the system that's just right for their home and lifestyle – 8, 16, 24 or 32 independent listening and viewing areas.

The S128P also incorporates a host of must-have features such as whole-house music, dynamic range compression, source leveling, bass and treble EQ for each zone, volume and EQ memory retention, and audio/video source-sensing for

system feedback at keypads and touch panels.

Other features include variable and fixed zone audio outputs, buffered loop outputs for each audio and video source, source-specific IR routing, two IR "ALL" ports, an external IR input, six sense trigger inputs, eight trigger outputs, expansion ports for the easy addition of a 2nd, 3rd or 4th S128P, and a serial port for external RS-232 control and programming. The SPP System Precision Panel makes all system connections quick, neat and reliable.

The S128P integrates easily with ELAN's C2 Communications Controller, providing homeowners with ELAN's patented telecommunication features. ELAN color CCTV cameras can be connected directly to the S128P so that homeowners can also see who is at the door, as well as monitor pool

areas, nurseries, and more. And because the S128P is compatible with each and every ELAN user interface, homeowners can choose from a wide selection of in-wall or tabletop controls.



## S128P CONTINUED

### FEATURES

- 8-zone, multi-source/multi-zone A/V controller
- 12 audio inputs
- 8 local source audio inputs
- 16 video inputs & outputs
- Distributes composite, component & high-definition video
- Expandable to 32 zones
- Buffered audio & video loop outputs for each source
- Variable & fixed zone outputs
- Independent bass, treble & do-not-disturb for each zone
- Volume & EQ memory retention
- Audio & video source-sensing for system feedback
- +/- 6dB source-leveling
- Zone-specific dynamic range compression
- 6 sense inputs
- 8 zone trigger outputs
- System trigger output
- Source-specific IR routing & 2 IR "All" ports
- External IR input
- RS-232 controllable

- Easy to program
- Compatible w/ all ELAN user interfaces
- SPP System Precision Panel makes system connections quick, neat & reliable
- Expansion ports for easy connection of multiple chassis
- Blue vacuum fluorescent display shows zones, sources, volume, do-not-disturb, whole-house music status & more
- Easy integration w/ELAN C2 Communications Controller
- Rack-mount ears included
- Also available in 230V-240V for export

### SPECIFICATIONS

Input Sensitivity	.....	0-2 VRMS
Input Impedance	.....	47k Ohms
PreAmp Outputs		
Volume Adjustment Range	.....	-70dB
Frequency Response	.....	20Hz to 20kHz, +/-0.5dB
THD+Noise(@1kHz)	.....	<0.02%
Signal-to-Noise (A weighted)	.....	83dB
Crosstalk (zone to zone)	.....	>-70dB
Output Impedance	.....	600 Ohms

### Music on Hold Output

Output Impedance	.....	600 Ohms
Max Output Level	.....	+6dB

### Page & Doorbell Input

Input Sensitivity	.....	0-2V RMS
Input Impedance	.....	47k Ohms

### Video

Gain	.....	Unity
Bandwidth (-3dB)	.....	125mHz
Gain Flatness (0.1dB)	.....	40mHz
Input Impedance	.....	75 Ohms
Output Impedance	.....	75 Ohms
Crosstalk	.....	>-64dB @ 5mHz

### General

Trigger Outputs	.....	+12VDC @ 100mA ea.
Keypad Power	.....	300mA per zone
Power Requirements	.....	120VAC, 125W or 230-240VAC, 125W

### Dimensions w/ Feet (4U w/o Feet)

(in.)	17 W x 7-5/8 H x 17 D
(mm)	432 W x 194 H x 432 D

### Weight

Weight	.....	33 lbs/14.9 kg
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ETL® listed, CE, C-tick

## S12XK MULTI-ROOM CONTROLLER EXPANSION KIT (for use with S128P, S86A & S86P)

ORDER NO. S12XK



Note: Does not include cables for routing source audio and video between chassis.

The S128P and S86A and S86P Multi-Room A/V Controllers allow you to link up to four chassis together, providing you with the flexibility to create greatly expanded multi-zone systems. The S12XK Expansion Kit includes all the essential cables for routing IR, RS-485, RS-232, page audio and page trigger between two S128P or two S86A / S86Ps.

The kit includes:

- (1) 1-meter 15-pin D-Sub cable for IR / RS-485 transmission between chassis
- (1) 1-meter 9-pin D-Sub cable for serial data transmission between chassis
- (1) 18 in. 3.5 mm "mini" plug interconnect cable for PG/DB Trigger connections between chassis
- (1) 18 in. male RCA-to-RCA cable for page audio connections between chassis

### FEATURES

- Expansion kit for S128P & S86A / S86P systems
- Cables route IR, RS-485, RS-232, page audio & page trigger between chassis
- 1 kit required for each 2nd, 3rd or 4th S128P & S86A / S86P in a system (3 kits max.)

### OTHER S128P ACCESSORIES

SPP Precision Panel, see pg. 91
CVWP Component Video Wall Plate Kit, see pg. 93
LSWP Local Source Wall Plate Kit, see pg. 93

## S86P MULTI-ROOM A/V CONTROLLER (Formerly S8.6AVP)

ORDER NO. S86P



Also Available in 240VAC Version (S86P-240)

Based on the award-winning technologies of ELAN's S128P, the S86P Multi-Room Controller offers many of same powerful features available on our flagship model to bring you one of the most versatile, scalable, and feature-rich multi-room controllers available today.

Eight audio/video inputs allow your clients to choose from all their favorite music and video sources – CD, DVD, DVR, iPod®, Satellite Radio and more. Each source can be seen and heard, independently, in up to six zones. Any combination of up to four S86Ps and S86As can be linked together to create 12-, 18- and 24-zone systems, providing you with complete flexibility to create the customized systems just right for your client's home.

Featuring discrete zone IR commands that allow any learning remote to control any zone, the S86P incorporates many more powerful features such as bass, treble, loudness EQ and programmable turn-on levels for each zone, whole-house music, and A/V source-sensing for system feedback at touch panels; all at a price that defies common industry trends.

The S86P also gives you the flexibility to customize the power delivered to each room. Choose from seven ELAN amplifiers that encompass both analog and digital state-of-the-art technologies and provide you with a wide range of channel and power options.

### FEATURES

- 6-zone multi-room A/V controller
- 8 audio source Inputs
- 8 composite video source inputs
- PreAmp-only version allows you to customize your amplification needs
- Compatible w/ all ELAN user interfaces
- Loss-free composite video distribution up to 300 ft.
- Buffered audio & video loop outputs
- Selectable variable/fixed preamp outputs
- Discrete zone IR commands
- Audio / Video status sensing
- Programmable turn-on levels for each zone
- Bass, treble, loudness & balance for each zone
- Programmable zone trigger outputs
- Sense inputs (6)
- 8-Source-specific IR output ports, plus "All" port
- Front panel USB download port
- Expandable to 12, 18 or 24 zones w/ any combination of S86A & S86P (uses S12XK Expansion Kit)
- Rack-mount ears (incl.)

### SPECIFICATIONS

#### Audio Inputs (8)

- Input Sensitivity . . . . . 0-2V RMS
- Input Impedance . . . . . 47k Ohms

#### PreAmp Outputs (6)

- Volume Adjustment Range . . . . . -74dB to +6dB

Frequency Response . . . 20Hz to 20kHz, +/-0.5dB

THD+Noise (@1KHz) . . . . . <0.02%

Signal-to-Noise (A Weighted) . . . . . 95dB

Crosstalk (Zone to Zone) . . . . . >105dB

Output Impedance . . . . . 600 Ohms

#### Music on Hold Output

Output Impedance . . . . . 600 Ohms

Max Output Level . . . . . +6dB

#### Page & Doorbell Input

Input Sensitivity . . . . . 0-2V RMS

Input Impedance . . . . . 47k Ohms

#### Video

Gain . . . . . Unity

Bandwidth (-3dB) . . . . . 12MHz

Gain Flatness (1dB) . . . . . .6MHz

Input Impedance . . . . . .75 Ohms

Output Impedance . . . . . .75 Ohms

Crosstalk . . . . . -40dB @ 3.58MHz

#### General

Trigger Outputs . . . . . +12VDC @ 100mA ea.

Keypad Power . . . . . 300mA @12VDC per zone

AC Power Requirements . . . . . 120VAC, 150W  
240VAC, 150W

Current Draw . . . . . 1.3A @ 120VAC / 0.8 A @ 240VAC

#### Dimensions w/ Feet (2U w/o Feet)

(in.) 17 W x 4-1/8 H x 15-3/8 D  
(mm) 432 W x 105 H x 391 D

Weight . . . . . 17.5 lbs. / 8 kg

cTUVus Certified, CE, IC C-tick, FCC



**S86A INTEGRATED MULTI-ROOM A/V CONTROLLER (Formerly S8.6AV)**

ORDER NO. S86A



Also Available in 240VAC Version (Order No. S86A-240)

The S86A is the amplified version of the S86P and features an integrated 12 x 40WPC power amplifier.

The S86A combines all the virtues of our most affordable, entry-level system (the S66A) with the powerful features and flexibility of our flagship model (the S128P), to bring you one of the most versatile, scalable, and feature-rich multi-room entertainment system available today.

Eight audio/video inputs allow your clients to choose from all their favorite music and video sources – CD, DVD, DVR, iPod®, Satellite Radio and more. Each source can be seen and heard, independently, in up to six zones. Any combination of up to four S86As and the S86P (see pg. 20) can be linked together to create 12-, 18- and 24-zone systems, providing you with complete flexibility to create the customized systems just right for your client's home.

Featuring discrete zone IR commands that allow any learning remote to control any zone, the S86A also incorporates many more powerful features such as bass, treble, loudness EQ and programmable turn-on levels for each zone, whole-house music, and A/V source-sensing for system feedback at touch panels: all at a price that defies common industry trends.

The latest step-up, one-box solution from ELAN, the S86A has an integrated 12-channel power amplifier that pumps 40 watts of clean musical power to each speaker in every room.

**FEATURES**

- 6-zone multi-room A / V controller
- 8 audio source Inputs
- 8 composite video source inputs
- Integrated 12 x 40 WPC power amplifier
- Compatible w / all ELAN user interfaces
- Loss-free composite video distribution up to 300 ft.
- Buffered audio & video loop outputs
- Selectable variable/fixed preamp outputs
- Discrete zone IR commands
- Audio / Video status sensing
- Programmable turn-on levels for each zone
- Bass, treble, loudness & balance for each zone
- Programmable zone trigger outputs
- Sense inputs (6)
- 8-Source-specific IR output ports, plus "All" port
- Front panel USB download port
- Expandable to 12, 18 or 24 zones w / any combination of S86A & S86P
- Optional Rack-mount Kit (RMK3)

**SPECIFICATIONS**

## Audio Inputs (8)

Input Sensitivity ..... 0-2V RMS

Input Impedance ..... 47k Ohms

## PreAmp Outputs (6)

Volume Adjustment Range ..... -74dB to +6dB

Frequency Response. .20Hz to 20kHz, +/-0.5dB

THD+Noise (@1KHz) ..... &lt;0.02%

Signal-to-Noise (A Weighted) ..... 95dB

Crosstalk (Zone to Zone) ..... &gt;105dB

Output Impedance ..... 600 Ohms

## Music on Hold Output

Output Impedance ..... 600 Ohms

Max Output Level ..... +6dB

## Page &amp; Doorbell Input

Input Sensitivity ..... 0-2V RMS

Input Impedance ..... 47k Ohms

## Video

Gain ..... Unity

Bandwidth (-3dB) ..... 12MHz

Gain Flatness (1dB) ..... .6MHz

Input Impedance ..... 75 Ohms

Output Impedance ..... .75 Ohms

Crosstalk ..... -40dB @ 3.58MHz

**Amplifier Output**

Power Output (RMS) per channel . . 40W @ 8 Ohms

Frequency Response. .... 20Hz to 20kHz, +/-1dB into 8 Ohms

Signal-To-Noise ..... &gt; 95dB (A-weighted)

Channel Separation. .... &gt; 70dB (channel to channel @1kHz)

THD ..... &lt; .02% @ 1kHz, &lt; 0.06% @ 10kHz

## General

Trigger Outputs ..... +12VDC @ 100mA ea.

Keypad Power ..... 300mA @12VDC per zone

AC Power Requirements ..... 120VAC, 400W / 240VAC, 400W

Current Draw ..... 3.4A @ 120VAC /1.8A @240VAC

## Dimensions w/ Feet (2U w/o Feet)

(in.) 17 W x 4-1/8 H x 15-3/8 D  
(mm) 432 W x 105 H x 391 D

Weight ..... 22.5 lbs. / 10.2 kg

cTUVus Certified, CE, IC, C-tick, FCC

## S66A INTEGRATED MULTI-ROOM CONTROLLER (Formerly S6)

ORDER NO. S66A



Also Available in 240VAC Version (Order No. S66A-240)

The S66A is the logical one-box-solution for entry-level multi-room audio.

The S66A is a six-source by six-zone audio preamp controller and power amplifier. It allows up to six audio sources to be accessed independently in six separate zones, and features a built-in 12 channel power amplifier rated at 40 watts per channel.

Compatible with all ELAN user interfaces, the S66A provides important feedback to keypads and touch panels connected to the system, informing the user as to the status of do-not-disturb, whole-house-music, system on/off, zone on/off, mute and more.

Six source-specific IR output ports allow multiple same-make sources to be used in the system without contention. An IR "ALL" port is also provided. Six source status inputs provide a means for intelligent power management. Six zone trigger outputs and two system trigger outputs supply built-in automation and external amplifier triggering capabilities.

Expanding the system for more rooms of audio is easy with zone preamp outputs that are configurable for either variable or fixed. Adding ELAN telephone features or video switching is just as easy as the S66A interfaces easily with the C2 Communications Controller, V8 Composite Video Controller, and V85 Component Video Controller.

The S66A provides an entry-level alternative to ELAN S86A/P and S128P Systems, and is a practical, yet feature-rich first-step system for many consumers.

### FEATURES

- 6-source / 6-zone, 1-box solution
- Integrated 12 x 40 WPC amplifier
- Selectable vari / fixed pre-amp outputs
- Compatible w/ all ELAN user interfaces
- 6 source status inputs
- 6 zone trigger outputs
- 2 system trigger outputs
- 6 source-specific IR output ports & 1 "ALL" port
- Removable speaker terminals
- Optional Rack-Mount Kit (RMK3)

### SPECIFICATIONS

#### Source Inputs

- Input Sensitivity . . . . . 0-2V RMS
- Input Impedance . . . . . 47k Ohms

#### PreAmp Outputs

- Max Output Level . . . . . 6dB
- Frequency Response . . . . . 20Hz to 20kHz, +/-0.5dB
- THD+Noise(@1KHz) . . . . . 0.01%
- Signal-to-Noise . . . . . >95dB
- Crosstalk (Zone to Zone) . . . . . >70dB

Output Impedance . . . . . 620 Ohms  
Amplifier Output

- Max Output Power . . . . . 40W @ 8 Ohms
- Speaker Impedance . . . . . 8 Ohms
- Frequency Response . . . . . 20Hz to 20kHz, +/-1dB
- THD+Noise(@1KHz) . . . . . 0.02%
- Signal-to-Noise. . . . . >95dB
- Crosstalk (Zone to Zone). . . . . >70dB
- Music on Hold Output
- Output Impedance . . . . . 1k Ohms
- Page & Doorbell Input
- Input Impedance . . . . . 47k Ohms
- General
- Keypad Power . . . . . 300mA per zone
- AC Power Requirements. . . . . 120VAC, 440W  
240VAC, 440W
- Current Draw . . . . . 3.7A @ 120VAC  
1.9A @ 240VAC

Dimensions w/ Feet (2U w/o Feet)  
(in.) 17 W x 4-1/8 H x 12-3/4 D  
(mm) 432 W x 105 H x 324 D

Weight. . . . . 22 lbs./9.9 kg  
ETL® listed, CE, C-tick



## ACCESSORIES

### SPP PRECISION PANEL

#### ORDER NO. SPP

- The one Precision Panel for all ELAN Multi-Room Controllers
- For use w / S128P, S86A, S86P, S66A & SS1

See pg. 91 for complete features & specifications



### RSWP REMOTE SOURCE WALL PLATE KIT

#### ORDER NO. RSWP

- Locate any multi-room source up to 300 ft. from head end
- For use w / S128P, S86P, S86A, S66A or any stand-alone application

See pg. 94 for complete features & specifications



### CSI SENSE INPUT CABLE

#### ORDER NO. CSI



### RMK3 RACK-MOUNT KIT

#### ORDER NO. RMK3

- Rack-mount kit for:
  - S86A Integrated Multi-Room A / V Controller
  - S66A Integrated Multi-Room Controller
  - A12 12-Channel Power Amplifier
- 3U height provides extra rack space above & below units for optimum air flow & heat dispersion
- Can also be used w / S86P & V85 to maintain rack continuity
- Dimensions: (in.) 19 W x 5-1/4 (3U) H  
(mm) 483 W x 134 (3U) H



### LSWP LOCAL SOURCE WALL PLATE KIT

#### ORDER NO. LSWP

- Specifically designed for use w / the S128P's eight Local Source Inputs
- Sends audio & IR from any local source back to the S128P over a single run of Cat-5

See pg. 93 for complete features & specifications



### CVWP COMPONENT VIDEO WALL PLATE KIT

#### ORDER NO. CVWP

- Sends loss-free Component Video up to 500 ft. over a single run of Cat-5
- Ideal for S128P Component Video distribution

See pg. 93 for complete features & specifications



### FEATURES

- 2M interconnect cable for S128P-to-SPP sense input applications
- Stereo 3.5mm "mini" plugs on both ends
- Available in pkgs. of 6

ELAN Sense Input Cables provide a quick, easy and reliable means to connect the Sense Input jacks of an ELAN Multi-Room Controller to the SPP Precision Panel. Their two-meter length provides plenty of slack between the equipment rack and the wall where the SPP is mounted. Molded 3.5mm stereo plugs at both ends ensure a reliable, long-life connection.

- ELAN Integration Partners
- RS-232 Control
- Wireless Control
- Sense & Relay Control
- Automation Sensors



# Automation and Integration

## ELAN INTEGRATION PARTNER PROGRAM

The **ELAN Integration Partner Program** is a collaborative effort with some of the custom electronic industry's leading manufacturers to provide unprecedented support of integrated systems.

Over the course of 2007/2008 we have produced many new 2-way serial drivers based upon Dealer input to provide you with powerful systems integration. The newest include Lutron

HomeWorks & RadioRA, LiteTouch, GE Security, Honeywell Security, ELK Security, DSC Security, Napco Security, Bosch Security, Jandy Aqualink and Sunfire A/V Receivers.

In 2009, our commitment is even stronger, and our goal is to continue to grow the number of Integration Partners whose systems have become a vital part of your continued success. As always, your input and suggestions are welcome.

The **ELAN Integration Partner Program** is based around an exchange of resources and a commitment by both ELAN and its partners to provide our dealers and their clients with an easy and reliable way to integrate RS-232-controlled systems into multi-room and home theater A/V systems.

ELAN is proud to be associated with these industry partners:



## SS1 SYSTEM STATION

ORDER NO. SS1



The SS1 System Station is the single component that ties all of your clients' house-wide systems and electronics together, allowing them to control it all from ELAN's extensive line of VIA!® Touch Panels and Olé® Film Interactive Touchpads.

The SS1 is an RS-232, IR, sense and relay controller all rolled into one powerful package. With its ever-expanding library of RS-232 serial drivers, the SS1 can interface with many of the top lighting, security and temperature control systems, as well as manufacturers of pool and spa controllers, home theater electronics, motorized screens, window treatments and more.

Its powerful IR engine allows for intelligent, independent control of A/V components. Multiple sense inputs and relay outputs can automatically raise, lower, open and close all your motorized devices at the touch of a single button.

ELAN multi-room controllers and music/video source components integrate seamlessly with the SS1, providing your clients with one-touch entertainment throughout the house. It is compatible with all of ELAN's user-friendly interfaces and delivers real time, 2-way source and system status feedback to ELAN touch panels and Olé touchpads. And through its Ethernet port, the SS1 provides the essential link between an ELAN wireless touch panel and any Wi-Fi network.

Whether it's being used as a do-it-all Home Theater controller or a complete home controller, the SS1 System Station is the one component that does it all.

### UPDATES FOR 2009

- Now you can link up to 8 SS1s together, providing up to 32 Com Ports for RS-232 control of lighting, climate, security, pool/spa and more!
- New 2-way serial drivers for Lutron, LiteTouch, Bosch Security.

### FEATURES

- RS-232, IR, Sense & Relay controller all in one
- Provides system-wide RS-232 control & 2-way feedback to ELAN Touch Panels & Olé Touchpads
- An ideal, do-it-all Home Theater controller
- XP-8.4 & N800 Wireless Touch Panel interface
- 4 RS-232 Com Ports for control of lighting, climate, security systems & more.
- Expandable to 32 Com Ports w / additional SS1s
- System-wide conditional macros
- Control serial devices w / external IR commands
- Advanced if / then / else IR engine
- 12 steerable IR output ports, plus "ALL" port & external IR input
- 6 Sense Input ports
- 8 configurable Relay Outputs
- RJ-45 VIA!NET & Ethernet port
- Independent LED activity indicators for COM, Ethernet, Host & ELAN ports
- Easy integration w / all ELAN Multi-Room & Video Controllers

### XP-8.4 WIRELESS TOUCH PANEL

Combined with an XP-8.4 Wireless Touch Panel in a Home Theater, the SS1 provides reliable IR, RS-232, Sense and Relay control of A/V components, lighting, temperature, draperies, drop-down screens, lifts and more. See pg. 6

### SPECIFICATIONS

Power Requirement	... 12VDC @ 1.2mA nominal, power supply (incl.), UL Listed
IR Outputs (x12)/ALL Port	... 3.5 mm mono jack, 100mA
EXT IR Input	... 3.5 mm mono jack, 12VDC active high
Relays (x8)	
Type	... NO / NC closed-contact relay
Contact Rating	... 1A @ 24VDC
DC Relay Power	... 24VDC max.
Sense Inputs (x6)	
Type	... Closed-contact
Connector	... 3.5 mm stereo jack
Power	... 5VDC
COM Ports (x4)	... RS-232 DB-9 connectors, 110-115.2k Baud
HOST Port	... RS-232 DB-9 connector, 110-115.2k Baud
ELAN Port	... RS-232 DB-9 connector, 19.2k Baud
IR Link Ports (x2)	... DB-15 connectors
VIA!NET Port	... ELAN standard RJ-45
Ethernet Port	... IA568A standard RJ-45,10 BaseT
Dimensions	
	(in.) 17 W x 2-1/4 H x 12-1/2 D
	(mm) 432 W x 89 H x 140 D
ETL® listed, CE, C-tick	



**IP 8** 8-ZONE WIRELESS TOUCH PANEL INTERFACE 

ORDER NO. IP8



Introducing the IP-8, a cost-effective, system-enhancing single component that allows you to place an ELAN Wireless Touch Panel in up to eight zones!

Compatible with ELAN's XP-8.4 Wireless Touch Panel and N800 4" Handheld Controller, the IP-8 replaces the need for multiple SS1 System Stations, making wireless control in up to eight zones more affordable and easy to configure.

The IP-8 has both system and local IR output ports for each wireless touch panel, enabling wireless control of A/V components regardless of location. Installer-friendly features such as Ethernet link and activity LED indicators and a USB port for downloads make setup and trouble-shooting quick and easy.

**FEATURES**

- Single component interface for up to eight ELAN Wireless Touch Panels
- System & local IR output ports + "All" port
- USB port for easy downloads
- 12VDC power supply included

**2009 RELEASE NOTES (as of this printing)**

- A "system" SS1 System Station or SC-1 Serial Controller is required in order to display 2-way feedback on ELAN Wireless Touch Panels.

**SPECIFICATIONS**

VIA!Net port	(1) RJ-45
Interface port	(1) RJ-45
Ethernet port	(1) RJ-45
IR Output ports 1-8	(2) RJ-45
IR Output ports 9-16	(8) 3.5mm 'mini' jack
Download port	(1) mini USB
Power	...12VDC, 2.1A (power supply incl.), UL Listed
Dimensions	

(in.) 10-5/8 W x 1-5/8 H x 4-1/2 D

(mm) 270 W x 42H x 114 D

CE, IC, C-tick, FCC

**N800 HANDHELD CONTROLLER**

Complete control, and Web browsing, in the palm of your hands. See pg. 8.

**XP-8.4 WIRELESS TOUCH PANEL**

ELAN's newest 8.4" wireless panel with Web browsing. See pg. 6.

## SC-1 SERIAL CONTROLLER



ORDER NO. SC1



Short a Com Port on your SS1? Add an SC-1. Have a serially-controlled device located too far away from the head-end for reliable RS-232 communications? Add an SC-1.

The SC-1 is a single RS-232 to VIA!®Net interface with two huge benefits.

First, the SC-1 is an easy, low-cost way to add additional RS-232 Com Ports to an SS1 System Station. Simply connect any serially-controlled device or system to the SC-1 and plug it into a VIA!Net port at the head end. Short two Com Ports? Add two SC-1s. Or three, four and more.

Secondly, the SC-1 Serial Controller solves a long-standing problem inherent in any system with RS-232-controlled devices or subsystems.

More often than not, lighting, climate, security and pool/spa systems, as well as many local sources, are not located anywhere near the SS1 – making it necessary to run a serial connection a long ways back to the head-end and compromising reliability. The SC-1 solves this problem since it can be co-located with the serially-controlled system or source, reducing the serial wire run to just a few feet. VIA!Net is then used for the long run connection back to the head-end.

The SC-1 can also be used as a stand alone RS-232 controller for a single device.

More Com Ports. More reliable RS-232 communications. And a price your clients won't balk at. This is the SC-1.

### FEATURES

- Easily add Com Ports to any SS1
- Ensures reliable RS-232 communications regardless of device location
- Low cost, huge benefits
- USB port for easy direct-from-PC programming
- LED activity indicator for data transmission & troubleshooting
- Ideal for reliable long-distance VIA!migo™ iPod® Integration Dock control!

### SPECIFICATIONS

VIA!Net IN .....	RJ-45
VIA!Net OUT .....	RJ-45
USB programming port	
Power .....	+12VDC/50mA
CE, C-Tick, FCC part 15	

## VIA!®-SR1 VIA! SENSE/RELAY/IR CONTROLLER



ORDER NO. VIASR1



The VIA!® SR1 Sense/Relay/IR Controller provides enhanced automation and power management capabilities to Home Theater and whole-house systems.

This IR- or RS-232-controlled device features six independently configurable relay outputs that can be used to automate motorized screens, lifts and draperies. Eight sense inputs, triggerable by contact closure, and eight steerable IR output ports provide

a means for intelligent power management for Home Theater or whole-house A/V components. Programmable "if/then/else" commands, based on the status of each of the eight sense inputs, assure that the movie screen won't go UP if it's already DOWN, or that the TV won't turn OFF if it's already ON. Use ELAN®SENSE sensors to trigger SR1 Sense Inputs whenever audio, video, voltage, current, contact closures or light are detected.

### FEATURES

- 8 sense inputs—contact closure, TTL Logic & ELAN®SENSE compatible
- 8 steerable IR emitter output ports
- 6 relay outputs—individually configurable as normally open or normally closed, momentary or latching
- 2 RS-232 serial interface ports (input & thru)
- 1 VIA! RJ-45 interface port

## ELAN®SENSE AUTOMATION SENSORS

### Seven ways to add reliable power management and automation features to any system!

ELAN®SENSE Automation Sensors detect audio and video signals, as well as transitions in voltage, current, contact closures and light, adding advanced functionality to ELAN multi-room systems. When combined with an ELAN SR1, SS1, S128P or S86P/A. ELAN sensors become extremely powerful automation tools, providing "if / then / else" logic capabilities for power management and triggered events. Adjustable sensitivity and delay on most models make it easy to fine tune sensor activation for specific applications.

#### AUDIO SENSOR

##### ORDER NO. AUDSENSOR

Detects line-level audio. Female-to-male RCA adaptor connects in-line between either the left or right line-level audio output of any source and an A/V controller or receiver. Features adjustable sensitivity and delay.



#### VIDEO SENSOR

##### ORDER NO. VIDSENSOR

Detects composite video signals. Female-to-male RCA adaptor connects in-line between the composite video output of any source and an A/V controller or receiver. Features adjustable sensitivity and delay.



#### CURRENT/MAGNETIC FIELD SENSOR

##### ORDER NO. CRSENSOR

Detects AC current in power cords, as well as the AC magnetic fields generated by motors, transformers, TV's, etc. The CRSENSOR has a unique clamping device that accommodates a wide variety of different sized AC power cords. The base of the clamping device is removable when magnetic field detection is desired. Features adjustable sensitivity and delay.



#### VOLTAGE SENSOR

##### ORDER NO. VTSENSOR

Detects AC or DC voltage from 9-24 Volts. A two-terminal barrier strip is used to connect voltage + and - conductors. Perfect for use with the SS1, SR1 and multi-room controller sense input applications.



#### LIGHT/LED SENSOR

##### ORDER NO. LTSENSOR

Detects TOSLINK (optional) signals, LEDs and even the displays of many A/V components. Red and Green filters (included) allow for the detection of bi-color LEDs found on many components. Features adjustable sensitivity and delay.



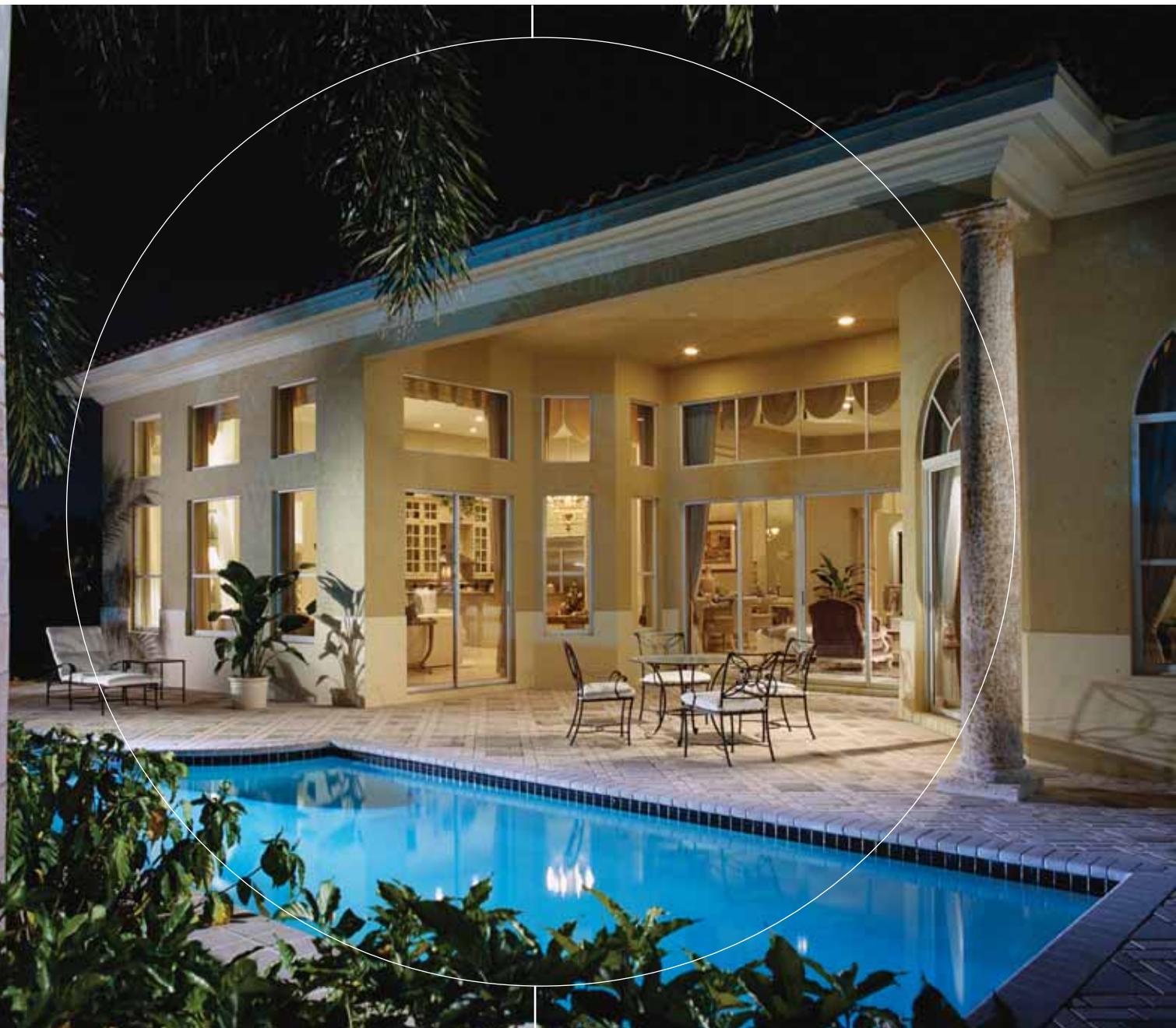
#### CONTACT CLOSURE SENSOR

##### ORDER NO. CTSENSOR

Detects dry contact relay closures. A two-terminal barrier strip is used to connect + and - conductors from relay devices. Ideal for SS1, SR1, S66A and S128P sense input applications.



The Smart Choice for Your Clients and for Your Business



**GreenSpace**

*A HomeLogic system keeps the home smart, powerful, entertaining, connected, comfortable – and very green. HomeLogic provides the information, tools and automation that conserve energy and natural resources through lighting, climate, irrigation controls and other system features.*



## ■ Innovation

Complete control of all subsystems & entertainment, remote locations, scheduling, historical views & more.

## ■ In a More Scalable, Versatile Way

Package systems with out-of-the-box interface & high-end features OR fully customize for the most discriminating clients.

## ■ Meeting Every Expectation

Deliver a complete and powerful "home and away" solution with extreme value – friendly, enabling, and exactly what your client expected.

## ■ And World-Class Support

Get real-time, side-by-side IP system support from us – while you can provide remote support to your clients!



**HOMELOGIC<sup>TM</sup>**

## SIM2 SENSOR INTEGRATION MODULE

ORDER NO. SIM2



The SIM2 is a low-cost, simple automation solution designed to work seamlessly with ELAN SENSE Sensors. The SIM2 functions as a stand-alone four sensor input/two relay output module that provides dry contact closure or 12V output in response to sensor input status. Built-in relays respond to sensor triggers differently based on conditional logic "and / or" dip switch settings on the unit. This allows any ELAN SENSE automation sensor, or

standard motion, driveway or door/window sensor, to intelligently trigger relays on the SIM2 based on the dip switch settings. The SIM2 is ideal for Home Theater automation applications, or any application that requires the use of automated triggering through the use of sensors.

### FEATURES

- Simple automation solution for ELAN SENSE Automation Sensors
- 4 sensor inputs (1 pair for ea. relay)
- 2 relay outputs which provide contact closure or 12' volts
- Conditional and/or logic dipswitches provide intelligent relay triggering
- No software programming required
- Mounts on any flat surface (mounting screws & adhesive backing strip incl.)
- Includes 12VDC, 2.1A Power Supply

### SPECIFICATIONS

#### Relays (x2)

Type ..... NO / NC closed contact relay  
Max. Rated Load Switched by Relay ..... 0.5A @ 125VAC or 1A @ 24VDC

#### Sense Inputs (x4)

Connector ..... 3.5 mm stereo jack  
Tip ..... +5V power to sensor  
Ring ..... Contact closure or  
ELAN SENSE open collector

Sleeve ..... Ground  
Power ..... 5VDC @ 90mA

Power Requirements ..... 12VDC, 2.1A

Connector Power Output ..... +12VDC @ 0.65A

## VIA!®RPTR VIA!®NET REPEATER

ORDER NO. VIARPTR



The VIA!®NET, or the communication link between an SS1 or SC-1 and all the VIA! Touch Panels or Olé® Touchpads in a system, has a maximum total wire-run length of 2000 feet. VIA!NET Repeaters extend the overall wire run capabilities of the VIA!NET, enabling up to 30 VIA! Touch Panels or Olé Touchpads to communicate reliably with the SS1 or SC-1 from up to 1000 feet each.

### FEATURES

- Extends SS1 / SC-1 / VIA! wire runs up to 1000 ft. ea. for as many as 30 VIA! Touch Panels & Olé® Touchpads

## VHTO100 HOME THEATER HIGH-POWER OVERRIDE MODULE

ORDER NO. VHTO100



The VHTO100 is a high-power stereo speaker switching module that allows ELAN Page and Door Chime audio to be automatically routed to

speakers in non-ELAN system areas such as a Home Theater.

A 12VDC signal, transmitted from an ELAN C2 Communications Controller whenever a page or door chime is initiated, triggers a pair of relays on the VHTO100, switching the audio path from the local system amplifier to the ELAN system amplifier.

In a Home Theater, ELAN Page and Door Chime audio can be routed to the rear channel speakers, allowing page and door chime audio to be easily heard.

### FEATURES

- Integrates ELAN Page & Door Chime audio into non-ELAN system areas
- High-power stereo inputs & 5A-rated relays for home theater applications
- Adjustable 10-step page & door chime volume settings
- Selectable 1x, 2x & 4x impedance match settings
- Mounts anywhere
- 100 WPC RMS power handling capability

- Component Video Controller
- Composite Video Controller
- Quad Processor
- Modulators & Cameras



# Video Systems



## V8 COMPOSITE VIDEO CONTROLLER

ORDER NO. V8



Also available in 240VAC Version (Order No. V8-240)

The V8 is ELAN's next-generation Composite Video Controller.

Building on the legacy of the Z•880, the new V8 Composite Video Controller continues the tradition of outstanding performance, versatility and reliability by adding even more must-have, system-enhancing features.

The 8-in by 8-out V8 is the perfect video switcher for routing composite video signals to VIA! Touch Panels throughout the house. Add a V8 to a S128P Multi-Room Controller to keep its component video switching capabilities reserved for hi-def sources. Or add a V8 to an S66A to turn it into an A/V controller. The V8 is also ideally suited for residential or commercial CCTV security camera applications.

This "next generation" composite video switcher incorporates new features that make it even more powerful and flexible than its best-selling predecessor. Added are eight buffered video loop outputs for easy expansion or source sharing, RS-232 DB-9 IN and THRU ports for easy serial control, and VIA!Net IN and THRU jacks for quick ELAN product integration and control. The "active" IR port even supplies power to ELAN IR Sensors.

Up to four V8s can be linked together to create an 8-in by 32-out composite video switching matrix. Unit ID switches make multi-V8 setup a breeze and a front-panel LED display makes it easy to track zones and sources for setup and troubleshooting.

The V8 can also route SPDIF Digital Audio over coaxial cable. Pair it up with a V85 and you can distribute HD Component Video and SPDIF Digital Audio to 8 zones with just 2 cables runs (CAT-5e & Coax).

### FEATURES

- "Next Generation" 8 x 8 composite video controller
- Ideal add-on for enhanced ELAN Multi-Room Controller video switching
- Perfect solution for security camera switching & monitoring
- IR & RS-232 controllable
- Buffered loop outputs for easy expansion & source sharing
- Expandable to 32 outputs by linking up to 4 chassis
- Front panel zones/source display & IR activity indicator
- "Active" IR port for powering ELAN IR Sensors
- Easy to program w / ELANTOOLS "Autofill" feature
- Rack mount ears included

### SPECIFICATIONS

#### Inputs

Composite Video ..... (8)1V p-p nominal  
Input Impedance ..... 75 Ohms

#### Outputs

Composite Video (8)  
Buffered Loop Video (8)  
Output Impedance ..... 75 Ohms  
Video Gain ..... 0dB Nominal  
Gain Flatness ..... 17MHz, 0.1dB min.  
Bandwidth ..... 45MHz, -3dB min.  
Chrominance to Lum. Delay ..... <20ns  
S / Ratio ..... >65dB  
Differential Phase ..... <0.6deg  
Differential Gain ..... <0.4%

Short Time Distortions ..... 1 NRE  
Crosstalk ..... >70dB

#### Control Ports

IR In / Out ports ..... (2) 3.5mm jack  
RS-232 In / Thru ports ..... (2) DB-9  
VIA!Net In / Thru ports ..... (2) RJ-45

Power Requirements ..... 120VAC, 20W  
230VAC, 20W

Dimensions w/ Feet (1U w/o Feet)  
(in.) 17 W x 2-3/8 H x 14 D  
(mm) 432 W x 60 H x 356 D

Weight ..... 10lbs / 4.5kg  
cTUVus, CE, C-tick, FCC part 15.

## MORE VIDEO PRODUCTS FROM ELAN

### S128P



In addition to being an 8-zone Multi-room Controller, the S128P has a 16 x 16 matrix video switcher built right in! See pg. 18.

### DSC3



The DSC3 features a miniature color CCTV camera integrated w / a full duplex door station. See pg. 40.



## VIA!® QUAD 4-CHANNEL COLOR QUAD PROCESSOR



ORDER NO. VIAQUAD



NTSC and PAL compatible

Front door, back door, poolside, nursery... the VIA!® QUAD allows up to four CCTV security cameras at the same time on any VIA!® Touch Panel, TV or monitor.

The VIA!QUAD has four different viewing modes, all of which are easily accessed with a simple touch on a VIA! Touch Panel. Quad mode allows the user to view four different video feeds at the same time. Picture-in-picture (PIP) mode displays two images, and the PIP insert can be moved around to any portion of the screen. Full screen mode fills the entire screen with one image. And Scan mode allows switching between all four video feeds automatically.

VIA!QUAD features two composite video outputs. One is used for house-wide distribution. The other can be sent to a VCR or DVR for recording. A separate VGA output can be used for a dedicated surveillance monitor. Each video input has independent brightness, contrast, saturation and hue adjustments. There are also motion detect and video loss alarms for enhanced security monitoring, as well as freeze / zoom functions for enhanced viewing. Channel naming and date and time display ensures that the user knows where and when things are happening or have happened.

ELANTOOLS Dealer Setup Software includes special point-and-click source setup options that make programming the VIA!QUAD quick and easy!

In addition to VIA! Touch Panels, any TV or monitor in the home can be used to view VIA!QUAD video. The unit comes with a simple-to-use handheld remote that controls what and how something is seen from any room that has an IR receiver. From a touch panel in the kitchen, to a plasma TV in the home theater, see what's happening in and around the house with VIA!QUAD.

### FEATURES

- View up to 4 video feeds simultaneously on any VIA!® Touch Panel, TV or monitor
- Four viewing modes: quad, PIP, full screen & scan
- Freeze / Zoom functions
- Motion detect & video loss alarms
- Channel naming, date & time display
- Horizontal image mirroring
- Event lists
- Adjustable brightness, contrast, saturation & hue for each input
- Handheld remote control (incl.)
- NTSC & PAL compatible

### SPECIFICATIONS

Composite Video Inputs (4) .....	1V p-p
Composite Video Outputs (2) .....	1V p-p
VGA Outputs (1) .....	(1) 0.7V p-p
Power Supply .....	100VAC - 240VAC
	Input 50-60 Hz, 12VDC @ 1.5A Output, UL Listed
Video Output Specifications	
	NTSC 720 x 480/15.75 kHz to 31.5 kHz
	PAL 720 x 560/15.625 kHz to 31.25 kHz
Dimensions	
	(in.) 7-3/4 W x 1-1/2 H x 5-1/2 D
	(mm) 197 W x 38 H x 140 D
Weight .....	.2 lbs./.9 kg
	CE, FCC part 15

### PERFECT FOR USE WITH ELAN COLOR CCTV CAMERAS & DOOR STATIONS:

- DSC3 Door Station w/Color CCTV Camera
- CAM5000 Stand-alone Color CCTV Camera



## MOD4000 4-CHANNEL DIGITAL MODULATOR

ORDER NO. MOD4000



The ELAN MOD4000 is a 4-channel, digitally-tuned video modulator that converts any baseband video and audio signal to UHF or Ultraband CATV

The internal quartz crystal reference oscillator and PLL circuitry ensure drift-free performance. Any TV connected to the output via coax cable can receive any of the four signals when the TV is tuned to the proper channel.



### FEATURES

- 4-channel digital modulator
- Digital tuning
- Drift-free operation

## CAM5000 COLOR CCTV CAMERA

ORDER NO. CAM5000



The CAM5000 is a miniature color CCTV camera that can withstand all the elements including salt air, direct rain, sleet and snow.

The CAM5000's high-resolution, low-lux, 1/3 inch CCD imager provides clear pictures even under low light conditions. The built-in auto iris ensures optimal picture on bright sunny days without "blooming" or "washouts". The fixed focal-length lens has a horizontal viewing angle of 120 degrees and a vertical viewing angle of 100 degrees with minimal "fish eye" distortion.

The CAM5000 comes with an easy-to-adjust swivel mounting base that can be mounted just about anywhere and allows pointing the camera in any direction.

### SPECIFICATIONS

#### Inputs

Video	1V p-p @ 75 Ohms
Audio	1 Vrms @ 47k Ohms (L & R inputs combined for monaural)

#### Performance

Differential Gain	4%
Differential Phase	<40
Signal-to-Noise	55dB

#### RF Output

UHF	Channel 14-64
CATV	Channel 65-125 (excl 95-99)
Output Level	+25dBmV (85dBuV)
IM Distortion	-60dBc
Alternate Channel	-45dBc @ 12MHz

Power Supply ... 15VDC @ 900mA (incl.), UL Listed

FCC part 15

## CAMKIT DOME CAMERA KIT

ORDER NO. CAMKITW (White), CAMKITB (Black)



ELAN's Dome Camera Kit is designed to enhance the installation options of the CAM5000 Color CCTV camera.

Available in Black (CAMKITb) or White (CAMKITw), each Dome Camera Kit provides flush- or surface-mount options for discrete, attractive CCTV camera installations.

Use the flush-mount option for a stealthy, low profile camera installation. The surface-mount option is ideal for retrofit applications. Everything for both installation methods (except the camera, which is sold separately) is included in each kit.

### FEATURES

- Dome Camera Kit for CAM5000 Color CCTV Camera
- Flush- & surface-mount options in ea. kit
- Low-profile / small size
- Easy assembly
- Available in White & Black

- Communication Controller
- Door Stations



# Communication Systems

## C2 COMMUNICATIONS CONTROLLER (Formerly COM2)

ORDER NO. C2



An ELAN Communication Controller changes the way people live. It not only opens new avenues of in-home communications, but delivers a new level of convenience, comfort and security that your clients will relish. More than music, more than video, more than almost any other whole-house electronics feature – ELAN telecommunication functions are the most-used feature in the home.

With the C2 Communication Controller your Clients can use any corded or cordless touchtone phone to:

- Page throughout the house over the multi-room system's speakers
- Converse phone-to-phone with other household members
- Speak with visitors at any door
- Activate door latches to let visitors in
- Place callers on hold
- Mute or un-mute music
- Control relay-activated devices such as garage doors or lighting
- Select from 10 whole-house digital door chimes and more

Initiating ELAN telecom features is easy and intuitive. Use the **#** or **\*** key to initiate a feature – then follow it with a "P" for Page, "D" for Door, "H" for Hold or "M" for Mute. If there's more than one door station in the system, D1 thru D4 connect you to each door station independently. You can even program a phone's speed dial numbers for one-button access to any C2 feature.

Transform any multi-room audio system into a multi-line communications network that seamlessly integrates intercom, telephone and automation features to create an environment of easy in-home communications.

The C2 is the ultimate easy add-on to, or closer for, an ELAN Multi-Room System!

### FEATURES

- Convenient alternative to on-wall intercoms & expensive phone systems
- Uses standard touch-tone phones
- High-quality whole-house paging & door chimes
- Phone-to-phone intercom
- Caller-on-hold w / music
- 10 user-selectable door chimes
- Independent access of up to 4 ELAN Door Stations\*
- Door latch control for up to 4 doors
- On-hold & off-hook alerts (defeatable)
- Whole-house music mute
- 4 phone-activated triggers
- Dual telco inputs for ELAN features on 2 lines
- Audible door chime at door stations (defeatable)
- Standard dial tone, caller ID & voice mail pass-thru
- 48V operation for multi-line system compatibility
- Enhanced surge protection
- USB port for downloading enhancements
- Rack-mount ears (incl.)

### SPECIFICATIONS

AC Power Requirements ..... 120VAC, 25W

House Phone Battery Voltage ..... 48VDC

C.O. Access Lines ..... 2

Phone In / Out, Line 1 / Line 2

Connector ..... (2) RJ-14

Music-on-Hold (MOH) Input

Connector ..... RCA-type, line level  
Input level (mono) ..... 0 to 2.5V p-p max, adjustable

Page / Doorbell (P/DB) Output

Connector ..... RCA-type, line level  
Output level (mono) ..... 0 to 2.5V p-p max, adjustable

Volume Control Override (VCO)

Connectors (4) ..... 2-position (+/-) flip-lock  
Power: ..... Internal 1A, 12VDC power supply

### Relays (4)

Connector ..... 3-position (NO/NC/COM) flip-lock  
Type ..... Dry contact, 30VAC/DC @ 4A (max ea.)

### Trigger Inputs (2)

Connector ..... 4-position flip-lock  
Type ..... Dry contact, 12V current limited

### Trigger Outputs (4)

Connector ..... 3.5mm jack  
Type ..... PG (page), DB1, DB2, SUM (page + DB1-4)

### Door Station Bus

Connector ..... 4-position flip-lock  
Door Mic / Speaker Gain Range ..... 6dB boost  
Wire requirements ..... Cat-5, 1000 ft. max.  
(COM2 is compatible only w / ELAN DSS3, DSF3 & DSC3 Door Stations)

### LED Indicators

Line 1/Line2 ..... Ring, on-hold, off-hook  
System ..... Mute / telemute, page, DB 1-4, relay 1-4, power

### Audio Loop Inputs / Outputs

Connectors ..... RCA-type, line-level

Dimensions w/ Feet (1U w/o Feet)  
(in.) 17 W x 2-3/8 H x 12-1/2 D  
(mm) 432 W x 60 H x 318 D

cTUVus Certified for US & Canada

Telecom Registration: FCC Part 68, Industry Canada (IC) CS-03

### DSC3 DOOR STATION WITH HI-RES COLOR CAMERA



ELAN Door Stations are available in 5 different finishes. See pg.40



## DOOR STATIONS

ELAN Door Stations make the powerful features of the C2 Communications Controller even more attractive to your clients by adding convenience and security.

ELAN Door Stations allow your clients to speak with visitors at the door and activate electronic door latches from any touchtone phone in the house. They will also enjoy ten user-selectable whole-house digital door chimes. One model, the DSC3, features a built-in, all-weather, color camera that allows them to view visitors from any VIA! Touch Panel or TV in the house.

Featuring five elegant finishes, rim-lit doorbell buttons, refined aesthetic detail, 2-conductor connectivity, and surface- & flush-mount models, ELAN has a Door Station that will enhance the entranceway of any home.

All three models are available in Oil-rubbed Bronze, Satin Nickel, Polished Brass or Chrome, and Ivory. All three also feature the door latch activation feature that allows homeowners to trigger a third-party electronic door latch from any touch-tone phone.

### DSC3

#### FLUSH-MOUNT DOOR STATION

#### WITH HI-RES COLOR CAMERA

ORDER NO. DSC3



#### FEATURES

- See & speak w / visitors at any entranceway
- Wide-angle, hi-res / low-lux color CCTV camera built right in
- Separate "door jam" lighted door bell button w / matching finish (incl.)
- Flush-mount design fits in DBK1000 rough-in bracket

The crystal-clear sounding speaker and microphone are sealed tight against the weather, as is the lighted doorbell button. Enhanced circuit design allows the door stations to be placed 1000 ft. from the head end using a single run of Cat-5 cable.

All door station face plates are constructed from 0.4" thick brass and coated with a tarnish-proof zirconium nitride finish that can withstand the harshest of environments and continue to look beautiful year after year. Each model can be installed horizontally or vertically.

#### COMMON FEATURES (All 3 Models)

- Available in Oil-Rubbed Bronze, Satin Nickel, Polished Brass, Chrome & Ivory
- Rim-lit doorbell buttons
- Tarnish-proof face plates
- Locate up to 1000 ft. from head end
- Weather-sealed, high-quality speaker & mic
- Full duplex communications
- Door latch activation relay
- Horizontal or vertical installation
- Compatible w / C2 only

### DSF3

#### FLUSH-MOUNT DOOR STATION

ORDER NO. DSF3



#### FEATURES

- Speak w / visitors at any entranceway
- Flush-mount design fits in DBK1000 rough-in bracket



Door Stations available in Brass, Ivory, Satin Nickel, Oil-Rubbed Bronze and Polished Chrome.

#### SPECIFICATIONS (All 3 Models)

Speaker . . . . . 8 Ohms, sealed back polyester cone  
 Microphone . . . . . High-gain, omni-directional condenser  
 Door Latch Relay . . . . . 12VDC coil, 2A contact rating  
 Wiring Requirements . . . . . Cat-5, 1000 ft. max  
 Max. per C2 . . . . . 4  
**Color Camera Specifications for DSC3 only**  
 Imager . . . . . 1/3 in. CCD  
 Auto Iris . . . . . 1/50 – 1/100,000 sec.  
 Lux . . . . . 0.5 min.  
 Resolution . . . . . 480 TV lines  
 Horizontal Viewing Angle . . . . . 120°  
 Vertical Viewing Angle . . . . . 100°  
 Swivel . . . . . +15°/-15° left to right  
 Video Output . . . . . 1V pk-pk  
 Video Output Impedance . . . . . 75 Ohms  
 Power Requirements . . . . . 12VDC @ 130mA  
 (Camera power supply incl.)

#### Face Plate Dimensions

(in.) 5-1/2W x 3-8/10H  
 (mm) 138W x 97H

#### DSS3 depth

(in.) 9/10  
 (mm) 23

### DSS3

#### SURFACE-MOUNT DOOR STATION

ORDER NO. DSS3



#### FEATURES

- Speak w / visitors at any entranceway
- Surface-mount design installs on almost any outdoor surface
- Ideal for retro-fit applications
- Only 9/10 in. deep

### DBK1000 DOOR STATION ROUGH-IN BRACKET

ORDER NO. DBK10006P



#### FEATURES

- New-construction bracket for DSC3 & DSF3
- Flush-mounts into brick, stucco, drywall or clapboard
- Vapor barrier (incl.)
- Available in pkgs. of 6

Cut-out Dimensions (in.) 4-5/8 W x 2-5/8 H  
 (mm) 118 W x 67 H

### BLK1000 DOOR STATION ROUGH-IN COVER

ORDER NO. BLK1000



#### FEATURES

- Temporary pre-wire cover for door station installations
- Paintable to match exterior color

- iPod® Integration Dock
- Tuners
- Media Servers



# Entertainment Sources

## DT22 DUAL AM/FM SIRIUS-READY TUNER

ORDER NO. DT22

NEW  
FOR  
2009



The DT22 is a Sirius-ready, dual AM/FM tuner that lets your clients enjoy independent radio station listening in different rooms throughout the house.

Built in to the DT22 are two high-quality AM / FM tuners. Additionally, the DT22 features inputs for the quick and easy connection of two Sirius Satellite Radio Modules.

Dedicated outputs for the AM / FM tuners plus two dedicated Sirius outputs means that your clients can listen to up to four different streams of radio throughout their home from a single DT22. If they want even more, two DT22s can be linked for up to eight independent audio outputs.

The DT22 has a front panel IR receiver and comes with a full function handheld remote. There are also rear panel control ports for IR, serial and Ethernet control. In an ELAN multi-room system, 2-way feedback, including station call letters, frequency, genre, song name and artist, can be viewed on any ELAN Touch Panel or Olé Film Interactive Touchpad.\* The DT22 also decodes and displays data from the Radio Broadcast Data System (RBDS) in the US and RDS in the EU, enhancing the user experience even further.

Setup of the DT22 is easy and intuitive through front panel buttons and a graphical LCD. Installers are guided through the setup process for everything, including Network and Ethernet settings. There's even a diagnostics screen that provides AM/FM signal strength and Sirius signal detection status. The DT22 can also be programmed using ELANTOOLS System Setup Software.

Users can easily program their own favorite station presets as they, too, are guided through this process for each tuner.

\*Displayable data varies depending on source, i.e. standard AM/FM, RBDS, RDS or Sirius radio.

Also available in 240VAC Version (Order No. DT22-240)

### FEATURES

- Built-in dual AM / FM tuners
- Sirius-ready for two plug-in modules
- Four sets of independent outputs for multi-room listening
- IR-, Ethernet- & Serial-controllable
- View radio station & "Now Playing" information on ELAN user interfaces
- Easy setup & diagnostics w / front panel buttons & graphical LCD
- Displays all RBDS (US) and RDS (EU) data
- Preset or direct numeric access
- 396 presets per tuner
- IR remote control (incl.)
- Link 2 DT22s to provide up to 8 tuners (4 AM / FM, 4 Sirius)
- Sirius Parental Control menu
- Selectable US / EU tuning region for AM / FM
- New ELAN **SmartSource** with built-in RS-232 serial driver

### SPECIFICATIONS

#### Control Ports

IR In / Out	(2) 3.5mm jacks
VIA!Net In / Out	(2) RJ-45
RS-232	(1) Female DB9 (DCE)

Ethernet ..... (1) RJ-45

Sirius Module Ports ..... (2) 8 pin DIN

Analog Audio Outputs ..... (4 pr.) RCA Stereo  
(1 pr. per AM / FM / 1 pr. Per Sirius module)

Digital Audio Output ..... (2) Optical TOSLINK  
(1) per AM / FM tuner

Antenna Inputs ..... (1) Coax FM Antenna Input  
(1) AM Antenna Input – Push Terminals

Audio: FM

Tuning Frequencies ..... 76 ~ 108MHz

Frequency Response ..... 300Hz to 15kHz (+0/-3dB)

SNR ..... 63dB (Mono) / 58dB (Stereo)

Audio: AM

Tuning Frequencies ..... 520 ~ 1710kHz

SNR ..... 56dB

Audio: SIRIUS

Frequency Response ..... 20Hz to 20kHz (+/-0.5dB)

SNR ..... 80dB

THD ..... 0.01%

Power requirements ..... 120VAC, 35W / 240VAC, 35W

Dimensions

(in.) 17 W x 3-1/2 H x 14 D

(mm) 432 W x 89 H x 356 D

Weight ..... 13.6 lbs/6 kg

cTUVus, CE, C-tick, FCC Part15

## SIRTK-1 SIRIUS TUNER MODULE / ANTENNA KIT

ORDER NO. SIRTK1

NEW  
FOR  
2009



The SIRTK-1 is all you need to add Sirius Satellite Radio to an ELAN DT-22 Dual Tuner.

### FEATURES

- Sirius Tuner Module for DT-22 Dual Tuner
- Sirius all-weather antenna can be placed up to 150 ft. away using RG-6 coax
- Kit includes:
  - (1) Sirius Tuner Module
  - (1) Sirius Outdoor Home Antenna
  - (1) Sirius Diplexer
  - (1) Power Supply
  - (1) 21 in. 8-pin DIN / RS-232C Data Cable
  - (1) 6-ft. RG-6 to SMB cable adapter
  - (1) RF splitter & terminator
  - (1) Rubber cable boot
  - Antenna Mounting Hardware

## VIA!migo™ iPod® INTEGRATION DOCK

ORDER NO. VIAMIGO



VIA!migo™ is an ELAN-controlled docking station that turns your customer's iPod® into a home-based multi-room audio / video player.

With VIA!migo, your clients can listen to iPod music in any zone, view iPod video in any zone and control their iPod from any ELAN Touch Panel, Olé® Touchpad, or learning IR remote control in the house. What's more, iPod "Now Playing" information can be viewed on any VIA!, Olé, TV or monitor.

Familiar iPod controls and "Now Playing" information are displayed on ELAN Touch Panels, making navigation easy, intuitive and fun. Olé Film Interactive Touchpads can also be used to control VIA!migo and display iPod "Now Playing" info.

VIA!migo is equipped with a special authorization chip that automatically detects if a docked iPod has video capabilities.\* If it does, the video navigation menu is automatically displayed on-screen along with the standard music navigation menu. Composite- and S-Video outputs let you distribute iPod video to VIA!, TVs and monitors around the home.

You can place a VIA!migo anywhere in the house where it's most convenient. You can even have multiple docks in different locations around the home. Audio, video and IR, are routed to and from VIA!migos located up to 300 ft. from the head-end by means of ELAN RSWP or LSWP Remote Source / Local Source Wall Plates.

VIA!migo is IR & RS-232 controllable and features discrete commands for every function. For added flexibility, a front-panel IR receiver allows for direct control of a docked iPod from any learning IR remote.

At home or on the go, ELAN's powerful combination of products gives your clients the ability to listen to their music anywhere they want. While VIA!migo lets them play all their MP3 recordings throughout the house, ELAN's line of VIA!dj II Digital Music Servers give them one-touch, on-screen access to their entire CD collection and includes a fast and easy PC/Mac-to-iPod interface so they can take any of it on the road.

### FEATURES

- iPod® control from any ELAN Touch Panel or Olé® Touchpad
- View "Now Playing" info. on any ELAN Touch Panel or Olé Touchpad.†
- Album Art support of iTunes-downloaded cover art on ELAN Touch Panels & Olés
- Auto-detect feature enables video-capable iPods\*
- "Jukebox Mode" allows you to create a playlist on the fly
- iPod Photo support\*\*
- Composite & S-Video outputs
- NTSC / PAL compatible
- Front-panel IR receiver
- Auto-programming w / ELANTOOLS
- IR- & RS-232 controllable
- Discrete commands for every function
- Selectable vari / fixed audio output
- RJ-45 & 3.5mm control ports
- Software upgradeable via RS-232 port
- Docking station also recharges iPod battery

### SPECIFICATIONS

Audio Outputs . . . . .	Analog L / R (vari / fixed selectable)
Video Outputs . . . . .	Composite- & S-Video (simultaneously active)
Video Format . . . . .	NTSC / PAL
RS-232 Serial Input . . . . .	RJ-45 jack (RJ-45 to DB9 adaptor incl.)
IR Input: . . . . .	3.5mm "mini" jack, mono
Power Supply Input . . . . .	100-240VAC, 47-63Hz
Power Supply . . . . .	10VDC, 1.5A (incl.)
CE, FCC part15	

### IPOD MODELS SUPPORTED

All dockable iPods (excl. 3G iPod)

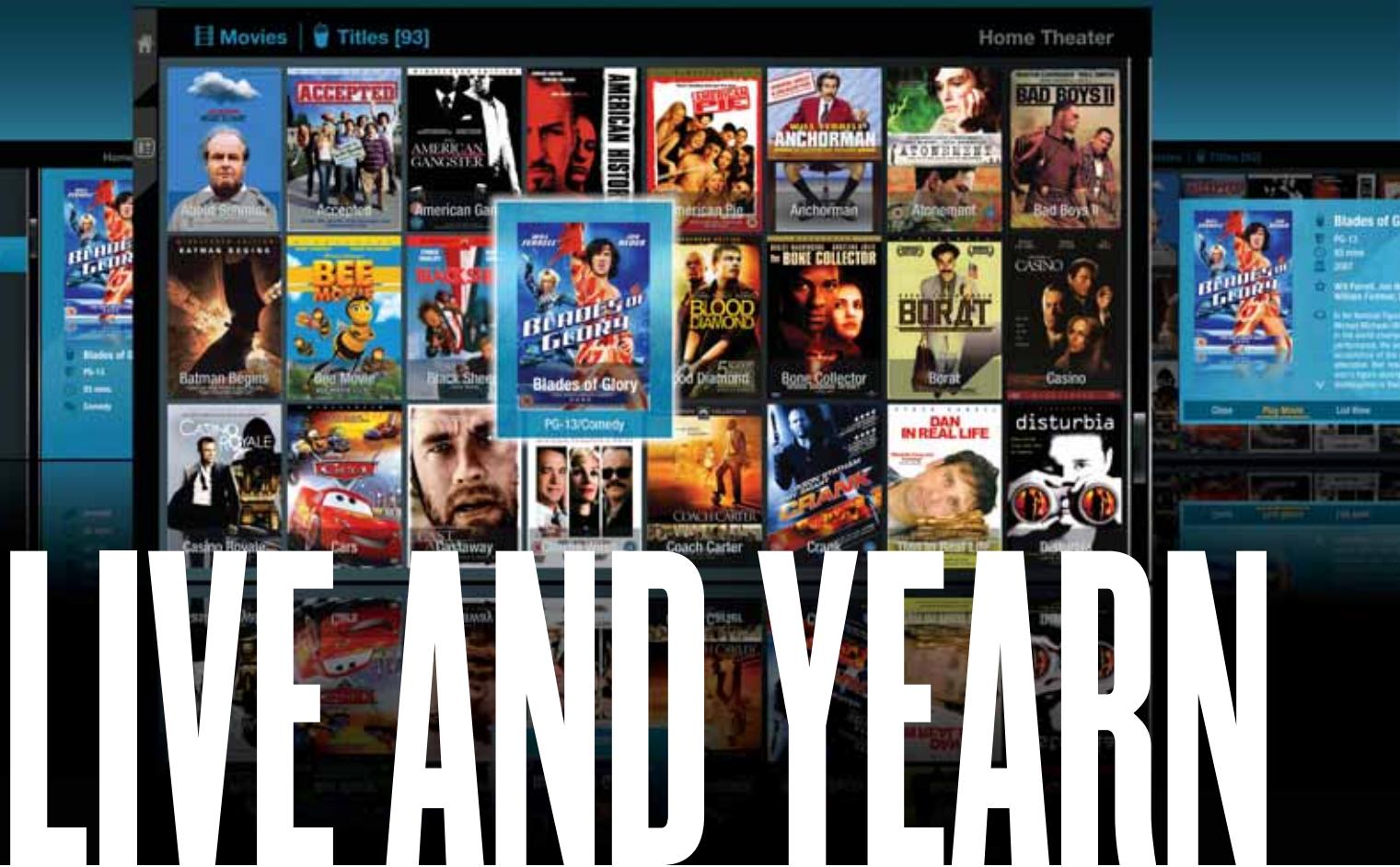
- iPod mini (4GB, 6GB)
- 4G iPod w / click wheel (20GB, 30GB, 40GB, 60GB, U2)
- 4G iPod w / color display (20GB, 30GB, 40GB, 60GB, U2)
- iPod nano (1G, 2G, 3G, 4G)
- 5G iPod w / video (30GB, 60GB, 80GB, U2)

NOTE: Apple iPod models listed as of October 2008. As new models are released, ELAN will evaluate them for compatibility. As ELAN can not foresee possible changes to new iPod models, only those models shown here, or in future listings, are approved for use with VIA!migo.

\*Video viewing and auto-detect of video iPods are Apple® software dependent.

\*\*iPod Photo will not display album art on VIA!migo

†SS1 or SC-1 required for viewing 2-way feedback on Olé Touchpads



**SO, YOUR CUSTOMER HAS ONE OF THE WORLD'S GREAT DVD AND CD COLLECTIONS.**

And one of the world's great home theater rooms to enjoy it all in. There's just one thing left to consider before declaring their life 'perfect'. Introducing the extraordinary Sunfire Theater Grand Media Server. This highly exclusive, enterprise-level server/client system will dramatically improve the way customers collect, store, backup and organize most any sized collection of disc-based media. And, as the only video server system on the market designed to integrate with all ELAN® Touch Panels – you know it will work flawlessly with the multi-room systems you install.

So, if your customers have always yearned for a way to safely store – and quickly access – their precious music and movies, consider the Sunfire Theater Grand Media System. And instead of just yearning, they can really start living.

# Introducing The **SUNFIRE** of Media Servers

## TGM-100 SUNFIRE THEATER GRAND MEDIA SERVER

ORDER NO. TGM100

**Sunfire**NEW  
FOR  
2009Now available to ELAN  
Dealers!

Introducing the extraordinary Sunfire Theater Grand Media Server and its companion 1, 3 and 6 terabyte Hard Drives. These highly exclusive, enterprise level systems will dramatically improve the way your clients collect, store, backup and organize most any sized collection of disc-based media.

With the TGM-100 your clients will be able to easily access all their DVDs and CDs through an intuitive, high-resolution television interface that provides a stunning widescreen display of their entire collection. What's more, this beautiful interface is available on all ELAN wired and wireless touch panels, enabling multi-room access to the TGM-100.\*

The TGM-100 delivers movies in videophile-quality 1080p technology, and will even upconvert existing DVD libraries to near-HD 1080p quality. Audio quality is just as impressive with the TGM-100's use of professional quality Wolfson® 192kHz/24-bit audio digital-to-analog convertors.

Completely scalable in more ways than one, the TGM-100 lets you choose from 1, 3 and 6 terabyte hard drive options and is easily expandable with the addition of the TGM-100C – a "client" component that adds an additional TGM-100 zone to the system. You can even add additional TGM hard drives to accommodate your client's growing collections.

**FEATURES**

- Instant access to entire DVD & CD collections
- Intuitive high-definition TV interface – scalable for almost any TV
- Scalable storage solutions w/ 1, 3 & 6TB hard drive options
- Scalable up to 7 zones w/ TGM-100Cs

- Dedicated output for use w/ VIA! touchpanels
- Automatic download of artist, album, genre, film, director, cover art & more
- HDMI v1.3a output with videophile 1080p up-conversion
- Flash-based OS for increased reliability
- Remote monitoring and diagnostics
- Built in Web-browser interface enables full control via Macs & PCs
- "Power Scroll" feature for fast navigation
- Dolby, DTS, & 2ch bit streams supported
- Rack-mount kit (incl.)

**SPECIFICATIONS**

## General

Power Requirements	110-240VAC -50Hz/60Hz
Power Consumption	60W Max
Current	0.3 - 0.6A
Ambient operating temp	41°-95°F (5-35°C)
Operating humidity	0-90%
Weight	23lbs. / 10.6 Kg

## Dimensions

(in) 17W x 3-3/4H x 12-6/8D  
(mm) 430W x 95H x 325D

## S-Video Output

Connector	.S-VIDEO jack
Output resolution	.NTSC or PAL

## Composite Video Output

Connector	.RCA jack
Output resolution	.NTSC or PAL

## HDMI Output

Connector	.HDMI
Output resolution	.480i-1080p

## Component Video Output (Y, Pr, Pb)

Connector	.3 x RCA jack
Output resolution	.480i-1080i

Digital Visual Interface (DVI) . . . . . . .DVI-I  
Analog Audio Output

Output level. . . . . . .2V RMS  
Output impedance. . . . . . .600 Ohms  
Connector. . . . . . .RCA jack

## Digital Audio Outputs

Optical. . . . . . .TOSlink  
Coaxial. . . . . . .RCA jack  
Coaxial output level . . . . . . .500mVp-p / 75W

## Analog Audio Characteristics (typical)

Frequency response . . . . . . .20-20KHz ± 0.5dB  
S / N ratio (@1KHz) . . . . . . .100dB (A weighted)  
Dynamic range . . . . . . .> 96dB  
Total harmonic distortion (@1kHz) . . . . . . .0.003%  
Channel separation . . . . . . .110dB @1kHz

## Communications

RS-232 . . . . . . .DSUB-9  
Ethernet. . . . . . .RJ45 (10 Base T / 100 Base T) / 1000BT

IR Input . . . . . . .3.5mm jack, max input 5V  
USB 1.1/2.0 (2) . . . . . . .Type A USB socket  
ESATA. . . . . . .(2)

## Accessories

Remote control. . . . . . .(1)  
Power cord. . . . . . .(4) US, EU, UK, AUS

cULus listed, CE, C-tick, GOST-R, FCC

\*TGM-DVC DVI-to-Composite Video Converter required to interface ELAN VIA! Touch Panels with the TGM-100. See page 47.

NOTE: Only Authorized Direct ELAN Dealers can order Sunfire TGM-100 Theater Grand Media Servers and associated TGM products. For information on becoming an authorized Sunfire dealer and carrying their full range of luxury home theater products, contact your ELAN/Sunfire Regional Sales Manager.

NOTE: Various screen shots and movies are shown for the expressed purpose of demonstrating functionality only. No relationships or partnerships are implied. All trademarks and copyrights are property of their respective owners.

## TGM-100 Hard Drive Systems INTERNATIONAL

Every Sunfire TGM-100 Theater Grand Media Server is scalable to meet the needs of your client's movie and music collection.



# Sunfire

### TGM-HDC

ISCSI HARD DRIVE SYSTEM CHASSIS

ORDER NO. TGMHDC

#### FEATURES

- Hard Drive Chassis for 6 and 3 terabyte hard drive packages (below)
- Enterprise-level RAID6 storage solution (dual redundancy w / 2 backup drives)
- Add a second TGM-HDC for additional storage
- Field-replaceable, hot swappable fans and PSU's for fast, efficient servicing without interrupting the user experience
- Remote diagnostics and reporting
- Rack-mount kit included
- Must be used with a Uninterruptable Power Supply (UPS)\*
- cULus listed, CE, C-tick, GOST-R, FCC



### TGM-HD6

6 TERABYTE HARD DRIVE PACKAGE

ORDER NO. TGMHD6

#### FEATURES

- 6 Terabyte storage package

### TGM-HD3

3 TERABYTE HARD DRIVE PACKAGE

ORDER NO. TGMHD3

#### FEATURES

- 3 Terabyte storage package



### TGM-HD1

1 TERABYTE ESATA HARD DRIVE

ORDER NO. TGMHD1

#### FEATURES

- Perfect for small DVD collections, music-only collections, & in-store demo systems
- 1Terabyte RAID 1 (2 x 1TB HDD, mirrored backup)
- ESATA connection to TGM-100
- Must be used w / an Uninterruptable Power Supply (UPS)\*

#### HARD DRIVE RECOMMENDATIONS

Library Size	145 DVDs	425 DVDs	850 DVDs
Hard Drive Size	1 TB	3 TB	6 TB

\* A UPS is required for the TGM-HDC Hard Drive Chassis and TGM-HD1 to ensure maximum system reliability. They allow a clean, automatic shutdown routine in event of power failure. Only APC models have been tested to work with Theater Grand Hard Drive systems

NOTE: Only Authorized Direct ELAN Dealers can order Sunfire TGM-100 Theater Grand Media Servers and associated TGM products. For information on becoming an authorized Sunfire dealer and carrying their full range of luxury home theater products, contact your ELAN / Sunfire Regional Sales Manager.

**TGM-100C** SUNFIRE THEATER GRAND MEDIA CLIENT   
ORDER NO. TGM100C

**Sunfire** 

NEW  
FOR  
2009



Each TGM-100C Theater Grand Media Client expands the capabilities of the TGM-100 Theater Grand Media Server to allow your clients to access their entire movie and music collections in a second zone. Up to six TGM-100Cs can be added to the TGM-100 for a total of seven independent zones.

**FEATURES**

- Adds an additional independent TGM-100 zone to the system
- Link up to 6 Clients for a total of 7 independent zones
- cULus listed, CE, C-tick, GOST-R, FCC

**TGM-DVC** DVI TO COMPOSITE VIDEO CONVERTER   
ORDER NO. TGMDVC

**Sunfire** 

NEW  
FOR  
2009



The TGM-DVC is a Digital Visual Interface (DVI) to Composite Video converter that enables the TGM-100's second UI output to be used with ELAN's VIA! Touch Panels. Only one TGM-DVC is required per TGM-100 or TGM-100C. For multi-room applications, the composite video output of the

TGM-DVC can be run to a video switcher, such as the ELAN V8, for distribution to VIA! Touch Panels throughout the house. The TGM-DVC is not required for interfacing ELAN XP-8.4 and N800 Wireless Touch Panels.



**FEATURES**

- Converts TGM-100 DVI output to composite video for use w/ ELAN VIA! Touch Panels
- ELANTOOLS required for programming

NOTE: Various screen shots and movies are shown for the expressed purpose of demonstrating functionality only. No relationships or partnerships are implied. All trademarks and copyrights are property of their respective owners.

## VIA!®dj Series II FAMILY OF DIGITAL MUSIC SERVERS



The multi-award-winning family of VIA!dj Digital Music Servers are digital audio storage and music management systems that provide instant access to entire music collections from any ELAN Touch Panel or television in the home.

View CD cover art. Browse music collections by artist, CD title, song, era, year or genre. Compile, save and custom-name an unlimited number of personal playlists. Create one-time song lists for parties with the Digital Jukebox feature. Whatever the function or feature, colorful user-friendly graphics on ELAN Touch Panels make it all fast, easy and fun.

There's also a PC / Mac user interface that makes it easy to edit content, import cover art and transfer music from a VIA!dj II to other portable digital music players.

VIA!djs are Ethernet-ready for the downloading of cover art and song lists. If you don't have a home network, djs also feature a built-in modem which dials up on-line music information services to retrieve CD cover art and data.

There are three VIA!dj models to suit your clients needs; the only differences being the number of audio outputs and the storage capacity of the hard drive. Feature-wise, they are exactly the same.



### VIA!DJ II

Listen to Jazz in the den, Classical in the living room and Rock 'n Roll in the basement while the kids sing along to their favorite tunes in the playroom. The VIA!dj II features four discrete pairs of audio outputs that independently play any song from your entire music collection-instantly. And with its 160 gigabyte hard drive, the VIA!dj II can store over 3,500 hours\* of music.

### VIA!DJ-S II

This single output version of the VIA!dj II has the same award-winning features and 160GB hard drive, yet provides an affordable solution for consumers who wish to reap the benefits of whole-house digital music management, but whose listening needs do not require multiple, independent outputs.

### VIA!DJ-HC II

ELAN's premier Digital Music Server, the VIA!dj-hc II features four discrete pairs of audio outputs for independent multi-room listening and a 400 gigabyte hard drive that can store nearly 9,000 hours\* of music.

\*recorded at standard WMA setting

## VIA!®dj Series II FAMILY OF DIGITAL MUSIC SERVERS (continued)

ORDER NO. VIADJII / VIADJHCII / VIADJSII



VIA!dj II and VIA!dj-hc II (NTSC or PAL Compatible)



VIA!dj-s II (NTSC or PAL Compatible)

### FEATURES

- Fast, easy access to entire music collections from ELAN Touch Panels & TVs throughout the home
- View CD cover art
- "Digital Jukebox" – add & play songs in the order you enter them
- "Quick Add" feature allows you to add tracks to a playlist "on the fly"
- "Preset" feature for quick access from keypads & remotes
- 20X ripping speed from CD tray
- Download cover art & CD info from the Internet
- Windows® XPE operating system
- PC / MAC User Interface - control VIA!dj II, edit content & import cover art from any networked PC or MAC
- Drag & drop audio files from any networked PC or Mac
- Enhanced iPod® interface - use iTunes® to view VIA!dj II content & transfer music to iPods
- Browse by artist, CD, track, genre, era, year & alpha-numerically
- "The" Ignored - VIA!dj II ignores the word "The" in the artist's name, making look-up fast & intuitive
- Create custom genres
- Place CDs or Artists in multiple genres
- Flag tracks for quick addition to playlists or Jukebox
- 6 recording qualities – standard & high WMA, WAV (uncompressed), standard MP3 (128kB), medium MP3 (192kB), high MP3 (320kB)

- Simple back-up & restore to any networked hard drive
- Screen Saver
- "Auto-rip" option automatically records CD loaded in front tray
- Remote control (incl.)
- 2 year warranty

### Important Information: Digital Music Server Data Backup

All Digital Music Servers are essentially computers. Like computers, all the data is stored on a Hard Disk Drive (HDD). There is a reason you (or your company) consistently back up the data stored in your computer(s) – to preserve it in the event of catastrophic HDD failure. The same reasoning applies to all Digital Music Servers.

You and / or your client will have invested a considerable amount of time and effort into loading media into a VIA!®dj. It is essential that you protect that data by performing a HDD back-up immediately after loading the data and at periodic intervals after that.

To assist you with this important procedure, ELAN has partnered with two of the industry's premiere Digital Media Management companies, ReadyToPlay\* and Terra-SAN\*. Both companies provide complete data back-up services for the ELAN VIA!®dj, as well as specialized VIA!dj media importing and grooming services.

### SPECIFICATIONS

#### VIA!dj II

Hard Drive. .... 160GB  
(approx. 3,524 hrs. of music at STD WMA)  
Audio Outputs. .... 4 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

#### VIA!dj-s II

Hard Drive. .... 160GB  
(approx. 3,524 hrs. of music at STD WMA)  
Audio Outputs. .... 1 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

#### VIA!dj-hc II

Hard Drive. .... 400GB  
(approx. 8,894 hrs. of music at STD WMA)  
Audio Outputs. .... 4 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

### COMMON SPECIFICATIONS

Audio Inputs. .... (1) Digital Optical, (1) Digital Coaxial  
Video Outputs. .... (1) Composite, (1) S-Video, (1) VGA

Stereo RCA interconnect cable, video RCA cable & remote control includes:

- (1) RJ-45 Ethernet port (10 Base T/100 Base T)
- (1) RS-232 serial control port (9 pin D-type M)
- (2) USB ports, type A
- (1) 3.5mm IR input jack

NTSC & PAL compatible

Dimensions

(in.) 17-3/16 W x 3-7/8 H x 14- 3/4 D  
(mm) 438 (W) x 98 (H) x 375 (D)

UL® listed, CE, C-tick, FCC

### To further ensure the integrity of your VIA!dj and its valuable data, ELAN also recommends that all Digital Music Servers be connected to a high-quality Uninterruptible Power Supply (UPS) with surge protection.

DON'T WAIT! Back-ups ensure that your Client's media, and the valuable time you spent to load it, is not lost. Regardless of the Music Server product you sell, this is a critical step in minimizing service calls, frustrated customers and cost to your business. Contact one of our trusted Digital Media Management partners today!

For more information on Terra-SAN visit [www.terra-san.com](http://www.terra-san.com)

For more information in ReadyToPlay visit [www.readytoplay.com](http://www.readytoplay.com)

\*Terra-SAN & ReadyToPlay are privately held companies and have no affiliation with ELAN other than that of service providers. ELAN assumes no liability in the event of damage to or loss of product or data during the course of any transactions you may have with these companies.

- Digital Power Amplifiers
- Analog Power Amplifiers



# Amplifiers

D12 12-CHANNEL DIGITAL POWER AMPLIFIER 

ORDER NO. D12

NEW  
FOR  
2009

Also Available in 240VAC Version (Order No. D12-240)

Introducing the latest in ELAN digital amplifier design and innovation – the D12.

Designed, built and rigorously tested for outstanding reliability and sound, the D12 achieves a new level of dependability and performance in multi-channel amplification.

The D12 uses low heat/high efficiency Class D digital technology with 8x oversampling and 48-bit signal processing to deliver the cleanest audio and most efficient amplification available today. Each of the amplifier's 12 channels have a true power rating of 75W into 8 Ohms and 100W into 4 Ohms – with all channels driven.

The D12 also incorporates new, one-of-a-kind technologies that make its setup, flexibility and performance truly unique.

Configuring the D12 can be done via its front panel buttons or with IR commands that reside in ELAN's new System Setup Software, ELAN®TOOLS. From the front panel you can set input levels for each channel individually, or for all channels at once. You can also configure input selections for direct stereo, mono mix-down, and A/B bussing in both stereo and mono.

Advanced feature setup can be programmed in ELANTOOLS and downloaded directly to the D12.

Program features such as max volume output, min/max turn-on levels for each channel, independent triggers that allow you to turn on and off any mix of amp channels, link/un-link channel pairs and more. You can even create up to three "scenes" that, with the touch of a button, can raise or lower specific amp channels.

What's more, the D12's blue graphical LCD allows you to view all your settings and provides important diagnostic information such as faults, thermal warnings and impedance load per channel.

All these features, and many more, have been incorporated into a chassis design that exceeds all standard quality assurance testing – and then some – making the D12 the most reliable amplifier ever built for multi-room audio applications.

## FEATURES

- Designed, built and tested for outstanding reliability and sound
- Class D Digital Technology w / 8x oversampling & 48-bit signal processing
- True power ratings of 75WPC @ 8 Ohms & 100WPC @ 4 Ohms
- Low heat / high efficiency
- Patent-pending ACE™ Automatic Clip Eliminator
- Fault, thermal and impedance load monitoring for each channel

- Blue graphical LCD for setup, monitoring & diagnostics
- Intuitive front panel button setup
- "Lockout" feature fixes settings
- Programmable "scenes"
- Multiple input and Bus options
- Buffered loop outputs for each channel
- Configurable triggers
- Advance setup via ELANTOOLS software
- USB port for easy download from ELANTOOLS
- VIA!Net jack for control & monitoring
- Ethernet jack for future upgrades, control & monitoring
- Rack-mount ears (incl.)

## SPECIFICATIONS

Power Output (RMS) per channel	100W @ 4 Ohms, 75W @ 8 Ohms (all channels driven)
Frequency Response	20Hz to 20kHz, -3dB into 8 Ohms
Full Power Bandwidth	10Hz to 25kHz
Signal-To-Noise	> 102dB (A-weighted)
Channel Separation	> -70dB (channel to channel @ 1kHz)
Total Harmonic Distortion	< .04%
Intermodulation Distortion	< 0.1%
Input Impedance	49k Ohms
Remote Trigger Inputs	.5 to 24 Volts AC / DC
Trigger Loop Output	+12VDC @ 0.1A
AC Power Requirements	120VAC, 1440W or 240VAC, 1440W
Current Draw	12A @ 120VAC / 6A @ 240VAC
Dimensions w/ Feet (3U w/o Feet)	(in.) 17 W x 5-7/8 H x 17 D (mm) 432 W x 149 H x 432 D
Weight	.47lbs. / 21.32kg
cTUVus, CE, IC, C-Tick, CB Scheme, FCC	



## D1650 16-CHANNEL DIGITAL POWER AMPLIFIER



ORDER NO. D1650



Also Available in 19 in. Rack-Mount Version with Brushed Aluminum Handles (Order No. D1651) and 240VAC Versions (Order No. D1650-240/D1651-240)

The D1650 was designed for large multi-room systems, and is the perfect companion amplifier for ELAN's 12-Source/8-Zone A/V Controller – the System128P. See pgs. 18-19.

With 16 channels of digital Class T amplification, it can power up to eight stereo zones, 16 monaural zones, or any combination thereof. A and B stereo busses allow routing one set of inputs to other inputs without the use of additional cables. Buffered loop outputs for each channel make it easy to configure multi-room listening areas in stereo or mono.

Rated at 16 x 60 WPC into 4 Ohms and 16 x 45 WPC into 8 Ohms, the D1650 delivers more than enough power for any distributed audio application.



### FEATURES

- 16 channels of digital amplification
- 60 WPC RMS into 4 Ohms, 45 WPC RMS into 8 Ohms
- A & B Bus inputs & outputs
- 8 Paired trigger inputs + "All On" trigger input & trigger loop output
- Only 3 rack spaces high
- The ideal companion amplifier to the S128P Multi-Room A / V Controller

### SPECIFICATIONS

Power Output (RMS) per Channel	60W @ 4 Ohm
	45W @ 8 Ohms
Frequency Response	20Hz to 20kHz, +/- 0.3dB
	into 8 Ohms
Full Power Bandwidth	10Hz to 50kHz
Signal-To-Noise	>102dB (A-weighted)
Channel Separation	>70dB
	(channel to channel @ 1 kHz)
Total Harmonic Distortion	<.04%
Intermodulation Distortion	<0.1%
Input Impedance	.49k Ohms
Trigger Inputs	5 to 24 Volts AC/DC
Trigger Loop Output	+12VDC @ 0.1A
AC Power Requirements	120VAC, 1200W or 240VAC, 1200W
Current Draw	10A @ 120VAC
	5A @ 240VAC
Dimensions	
D1650 (w/feet)	(in.) 17 W x 5-1/2 H x 17 D
	(mm) 432 W x 148 H x 432 D
D1651	(in.) 19 W x 5-1/4 H x 17 D
	(mm) 483 W x 134 H x 432 D
D1650 Weight	55 lbs / 25 kg
D1651 Weight	56 lbs / 25.5 kg
ETL® listed, CE, C-tick	

## D660 6-CHANNEL DIGITAL POWER AMPLIFIER

ORDER NO. D660



Also Available in 19 in. Rack-Mount Version (Order No. D661) and 240VAC Versions (Order No. D660-240/D661-240)

Standing only 1-3/4 in. high, the D660 is designed to fit in a single rack-space yet has more than enough power for any multi-room audio application.

Six Class T digital channels rated at 75 Watts @ 4 Ohms or 60 Watts @ 8 Ohms produce clear, rich sound from any audio source.

Six buffered-loop outputs make it easy to create additional stereo and mono listening areas, and a Bus Mode switch allows instantly linking all the channels together.

### FEATURES

- 6 Channels of digital amplification
- 6 x 75 WPC RMS into 4 Ohms 6 x 60 WPC RMS into 8 Ohms
- Only 1 rack-space high

- Bus mode switch
- Trigger input/output
- Gold-plated 5-way speaker binding posts

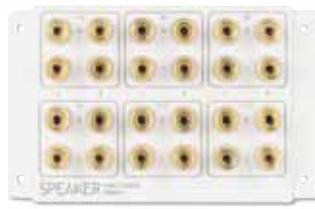
### SPECIFICATIONS

Power Output (RMS) per Channel	75W @ 4 Ohms 60W @ 8 Ohms
Frequency Response	20Hz to 20kHz +/-0.3dB into 8 Ohms
Full Power Bandwidth	10Hz to 50kHz
Signal to Noise	>102dB (A-weighted)
Channel Separation	>70dB (channel to channel @ 1kHz)
Total Harmonic Distortion	< .04%
Intermodulation Distortion	< 0.1%
Voltage Gain (Av)	Continuously Variable from 0 - 24
Slew Rate	>20V/microsecond

Input Impedance	49k Ohms
Input/Loop Outputs	Gold-plated RCA Phono
Speaker Outputs	5-way binding posts
AC Power Requirements	120VAC, 600W or 240VAC, 600W
Current Draw	5A @ 120VAC 2.5A @ 240VAC
Remote Trigger Inputs	5 to 24 Volts AC/DC
Trigger Loop Output	+12VDC @ 0.1A
Dimensions	
D660 (w/feet)	(in.) 17 W x 2-1/4 H x 15 D (mm) 432 W x 58 H x 380 D
D661	(in.) 19 W x 1-3/4 H x 15 D (mm) 483 W x 45 H x 380 D
Weight	22 lbs / 10 kg
ETL® listed, CE, C-tick	



### PSP12 & PSP6 Speaker Precision Panels



PSP12 & PSP6 Speaker Precision Panels provide perfect trim-out solutions for ELAN D Series Digital Power Amplifiers. See pg. 91

## D400 2-CHANNEL DIGITAL POWER AMPLIFIER

ORDER NO. D400



Also Available in 19 in. Rack-Mount Version (Order No. D401) and 240VAC Versions (Order No. D400-240/D401-240)

Standing only 1-3/4 in. high, the D660 is designed to fit in a single rack-space yet has more than enough power for any multi-room audio application.

Six Class T digital channels rated at 75 Watts @ 4 Ohms or 60 Watts @ 8 Ohms produce clear, rich sound from any audio source.

Six buffered-loop outputs make it easy to create additional stereo and mono listening areas, and a Bus Mode switch allows instantly linking all the channels together.

### FEATURES

- 2 Channels of digital amplification
- 200 WPC RMS into 2 Ohms  
135 WPC RMS into 4 Ohms  
80 WPC RMS into 8 Ohms
- Stable down to 2 Ohms
- Only 1 rack-space high

- Trigger input / output

- Gold-plated 5-way speaker binding posts

### SPECIFICATIONS

Power Output (RMS) per Channel:

200W RMS @ 2 Ohms  
135W RMS @ 4 Ohms  
80W RMS @ 8 Ohms

Frequency Response. .... 20Hz to 20kHz  
+/-0.5dB into 8 Ohms

Full Power Bandwidth. .... 10Hz to 50kHz

Signal to Noise. .... >102dB (A-weighted)

Channel Separation. .... >70dB  
(channel to channel @ 1kHz)

Total Harmonic Distortion. .... < .04%

Intermodulation Distortion. .... < 0.1%

Voltage Gain (Av). .... Continuously variable  
from 0 - 27

Slew Rate. .... >20V / microsecond

Input Impedance. .... 49k Ohms

Input/Loop Outputs. .... Gold RCA phono

Speaker Outputs. .... 5-way binding posts

Trigger Input. .... 5 to 24 Volts AC/DC

Trigger Loop Output. .... +12VDC @ 0.1A

AC Power Requirements. .... 120VAC, 750W  
or 240VAC, 750W

Current Draw. .... 6.25A @ 120VAC  
3.15A @ 240VAC

### Dimensions

D400 (w / feet) (in.) 17 W x 2-1/4 H x 15 D  
(mm) 432 W x 58 H x 380 D

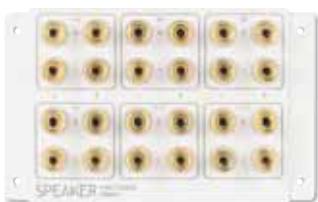
D401 (in.) 19 W x 1-3/4 H x 15 D  
(mm) 483 W x 45 H x 380 D

Weight. .... 22 lbs / 710 kg

ETL® listed, CE, C-tick



### PSP12 & PSP6 Speaker Precision Panels



PSP12 & PSP6 Speaker Precision Panels provide perfect trim-out solutions for ELAN D Series Digital Power Amplifiers. See pg. 91

# A12 12-CHANNEL POWER AMPLIFIER (FORMERLY A1240)

## ORDER NO. A12



Also Available in 240VAC Version (Order No. A12-240)

The A12 Power Amplifier is designed to provide a reliable, affordable and feature-rich solution for multi-room audio systems requiring up to twelve channels of amplification. Building on ELAN's proven analog technology, the A12 adds advanced features like audio sensing, stereo/mono bussing and trigger inputs/outputs to make it the premier amplifier in its price range.

Using easy-to-configure dip switches a bus input can be sent to any A12 output without the use of additional patch cables. Bus loop outputs allow for easy connection to additional amplifiers, A/V receivers, etc.

Six +12VDC trigger inputs allow each pair of channels to be activated independently. The A12's audio sense circuit mutes or un-mutes channels based upon audio signal detection.

Each channel also features an audio loop output, making for the easy creation of stereo and mono sub-zones or for routing audio to additional amplifiers or audio processors. Individual channel level adjustments allow fine-tuning of each channel. Removable, locking speaker terminals make quick and secure speaker connections.

## FEATURES

- 12 x 40 WPC @ 8 Ohms
- Stereo / mono bus
- 6 paired remote trigger inputs
- System trigger in / out
- Audio loop outputs
- Individual channel level adjustments
- Audio sense
- Removable locking speaker terminals
- 2 rack-spaces high
- 3 rack-spaces high w / optional rack mount kit (RMK3)

## SPECIFICATIONS

Power Output (RMS) per Channel . . . 40W @ 8 Ohms  
 Frequency Response . . . . . 20Hz to 20kHz,  
    +/-1dB into 8 Ohms  
 Full Power Bandwidth . . . . . 5Hz to 55kHz,  
    -3dB into 8 Ohms  
 Signal-To-Noise . . . . . >95dB (A-weighted)

Channel Separation	>70dB (channel to channel @1kHz)
THD	<0.01% @ 1kHz, <0.06% @ 10kHz
Intermodulation Distortion	<0.1%
Voltage Gain (Av)	Continuously variable from 0 - 20
Slew Rate	>9 V / microsecond
Input Impedance	47k Ohms
Input Sensitivity	0.707VRMS
Trigger Inputs	5 to 24VDC
Trigger Loop Output	+12VDC @ 0.1A
AC Power Requirements	120VAC, 440W or 240VAC, 440W
Current Draw	3.7A @ 120VAC 1.85A @ 240VAC
Dimensions w/ Feet (2U w/o Feet)	
	(in) 17W x 4-1/8H x 12-3/4D
	(mm) 432 W x 105 H x 324 D
Weight	20 lbs / 9.07 kg
ETL® listed, CE	



## RMK3 RACK-MOUNT KIT



Dimensions. .... (in.) 19 W x 5-1/4 (3U) H  
(mm) 483 W x 134 (3U) H

A 19 in. rack-mount solution for the A12, providing an extra 1/2 rack space on the top & bottom for optimum air flow & heat dispersion. Measures 3 rack spaces when installed.

## Z•660 6-CHANNEL POWER AMPLIFIER

ORDER NO. Z660



Also Available in 19 in. Rack-Mount Version (Order No. Z661)

Designed specifically for the Custom Installer, the Z•660 Power Amplifier is the cornerstone of any high-fidelity system. The Z•660 provides six channels at 30 WPC or three channels at 60 WPC in a 1-3/4 inch single rack-space plus additional features not found on an amplifier (of any size) on the market.

Six front panel gain pots, signal presence and clip indicators make setup a snap! A convenient Bus Mode switch allows one stereo input to be routed to three pairs of amplified outputs without the need for additional patch cables. Independent bridge mode buttons allow mixing of bridged and un-bridged channels. Buffered line level outputs can be Y-corded for mono signal applications.

The built-in IR connecting block can power up to four IR receivers and emitters – great for

standalone IR control applications! The remote trigger input mutes the amplifier when the preamp is turned off.

The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always met.

### FEATURES

- 30 WPC RMS into 8 Ohms 84 WPC RMS into 8 Ohms, bridged
- Front panel gain pots, signal presence, clip & IR pass-through LED indicators
- Bus Mode switch
- Buffered line level outputs
- IR pass-through connecting block
- Remote trigger IN / OUT
- Only 1 rack-space high

### SPECIFICATIONS

Frequency Response	20Hz to 20kHz	-25dB
Full Power Bandwidth	10Hz to 30kHz	
Signal to Noise	>110dB (A-weighted)	
Channel Separation	>70dB @ 1kHz	
THD	< 0.03%	
Intermodulation Distortion	< -90dB	
Voltage Gain (Av)	0 to 28, adjustable	
Input Impedance	20k Ohms	
Remote Trigger Input	5-24V AC/DC	
Trigger Loop Output	+12VDC @ 0.1A	
AC Power Requirements	120VAC, 440W	
Current Draw	3.7A @ 120VAC	
Dimensions		
Z•660	(in.) 17 W x 2-1/4 H x 11 D (mm) 432 W x 58 H x 280 D	
Z•661	(in.) 19 W x 1-3/4 H x 11 D (mm) 483 W x 45 H x 280 D	
Weight	16 lbs / 7.2 kg	
ETL® listed, CE		



**Z•300** 2-CHANNEL POWER AMPLIFIER

ORDER NO. Z300



Also Available in 19 in. Rack-Mount Version (Order No. Z301)

Whether specifying the Z•300 in a home theater application or in a distributed audio system, this single rack-height amp provides enough power to handle the most inefficient freestanding speakers or a whole house full of in-walls.

The Z•300 amplifier will deliver 150 watts per channel into 2-Ohm loads. This high-current, low-impedance design eliminates the need for speaker selector boxes or load protection devices when driving up to three pair of 8-Ohm speakers. The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always met. This translates into exceptionally tight bass response and improved dynamic headroom.

Buffered loop outputs allow routing of the stereo inputs to an additional power amplifier or

surround sound processor without signal loss or degradation.

Three pairs of gold-plated, five-way speaker binding posts make it easy to connect multiple speakers. The remote trigger input mutes the amplifier when the preamp is turned off. Gain pots for each channel are accessible via the front panel.

**FEATURES**

- 150 WPC RMS into 2 Ohms
- 100 WPC RMS into 4 Ohms
- 60 WPC RMS into 8 Ohms
- Buffered line level outputs
- Remote trigger IN / OUT
- Only 1 rack-space high

**SPECIFICATIONS**

Frequency Response	20Hz to 20kHz -.5dB
Full Power Bandwidth	5Hz to 30kHz
Signal to Noise	>110dB (A-weighted)
Channel Separation	>70dB @ 1kHz
THD	< 0.03%
Intermodulation Distortion	< -90dB
Voltage Gain (Av)	0 to 28, front panel adjustable
Input Impedance	33k Ohms
Remote Trigger Input	5-24V AC / DC
Trigger Loop Output	+12VDC @ 0.1A
AC Power Requirements	120VAC, 440W
Current Draw	3.7A @ 120VAC
Dimensions	
Z•300	(in.) 17 W x 2-1/4 H x 11 D (mm) 432 W x 58 H x 280 D
Z•301	(in.) 19 W x 1-3/4 H x 11 D (mm) 483 W x 45 H x 280 D
Weight	16 lbs/7.2 kg
ETL® listed, CE	



- Power Controller
- Cooling Module



Power and Ventilation

## Z•POWER POWER CONTROLLER

ORDER NO. ZPOWER



Also Available in 19 in. Rack Mount Version (Order No. ZPOWERR)

The Z•POWER Controller is a critical hub for both home theater and multi-room A/V systems, addressing such needs as surge protection, sequenced AC switching and multiple triggering options.

The Z•POWER Controller has eight earth-grounded outlets. Two current sensing outlets are always on. Four outlets turn on immediately with a trigger input. Two more turn on with a programmable delay.

No other power manager has as many trigger options. The six switched outlets can be triggered by the AC current sense of the two "Always On" outlets, by a remote trigger input, from the ELAN®SENSE sensor input, or by the front panel switch. Any combination of triggers can be selected so that multiple sources initiate the turn-on sequence.

The 12VDC triggered output and a relay contact closure make it easy to close drapes or lower screens. The relay output is programmable, allowing home theater triggered events to close drapes, but system-triggered events to turn on sources without closing the drapes!

High-quality transient voltage protection is also included, with inductive AC line filtering, MOV

Surge Protection, 15A Circuit Breaker, a 2-line telephone surge suppressor and 1GHz coax surge suppressor loop-through.

Front Panel LEDs indicate status and fault monitoring of the AC line.

### FEATURES

#### AC Outlets

- 2 "Always On" w / Current Sense
- 4 "Switched" when triggered
- 2 "Delayed" w / 4 time settings
- Switching capacity: 1500W total

#### Trigger Options

- 3–24V AC / DC
- 120VAC Current Sense
- ELAN®SENSE Input
- Combination Sense

#### Control Outputs

- DC @ 100mA remote trigger output jack
- Configurable dry relay contact

Power Conditioning & Protection

- 800 Joule, MOV surge protection
- 270V clamping level
- 15dB line noise rejection
- 15A circuit breaker

Low Voltage Signal Surge Protection

- 1GHz coax surge suppressor
- 2 telephone line surge suppressors w / resettable fuses

#### Front Panel Features

- Master On / Off switch
- Trigger option & delay dip switches
- LEDs: power, triggered, delay, ground OK & phase OK

### SPECIFICATIONS

Power Requirements. . . . . 120VAC, 12W

Dimensions  
Z•POWER

(in.) 17 W x 2-1/4 H x 10 D  
(mm) 432 W x 58 H x 254 D

Z•POWERR

(in.) 19 W x 1-3/4 H x 10 D  
(mm) 483 W x 45 H x 254 D

Z•POWER/R Weight. . . . . 10 lbs / 4.5 kg  
ETL® listed

### Z•Power Controller Extended Warranty Program

In addition to our standard 2-year warranty against manufacturer's defects, ELAN Home Systems will warranty the ELAN products listed below against surge-related damage for a period of 5 years. The conditions of this extended warranty are detailed in the Z•Power Controller Operation Manual, and must be met in full for this warranty to apply. The Z•POWER Controller Extended Warranty Program covers the following ELAN products:

Amplifiers	Multi-Room Controllers	Video Controllers	Other
A12	S128P	V8	ZFAN2 / ZFAN2R
D400 / D401	S86P	V85	
D660 / D661	S86A		
Z300 / Z301	S66A		

# Z-FAN2 SYSTEM COOLING MODULE

ORDER NO. ZFAN2



Also Available in 19 in. Rack-Mount Version (Order No. ZFAN2R) and 230VAC Versions (Order No. ZFAN-230/ZFANR-230)

The Z•FAN2 was developed to address the growing need for cabinet and rack system cooling, and it does so in a quiet, low-profile, unobtrusive fashion.

This single-rack fan design will draw up to 150 cubic feet of air per minute. Dual 12VDC brushless motors maintain whisper quiet operation without noise feeding back into the 120V circuits.

Temperature-sensitive speed control provides just the right amount of cooling at just the right times, thus minimizing background fan noise! The remote trigger input turns the fan on and off when needed. The trigger loop output can be daisy

chained to additional triggerable devices or Z-FANs, and the two-minute turn off delay circuit prevents heat build up in the rack once the equipment has been turned off.

## FEATURES

- Temperature-sensing dual 12VDC brushless fan design
- Front panel power & "Fan On" LEDs
- 2 minute turn-off delay

## SPECIFICATIONS

Flow Rate. . . . variable, up to 150 cu. ft. per minute

Remote Trigger Input. . . . . 5-24V AC/DC  
+12VDC @ 0.1A

Trigger Loop Output. . . . . +12VDC @ 0.1A  
Power Requirements 120VAC 12W

Power Requirements: . . . . . 120VAC, 12W  
or 230VAC, 12W

## Dimensions

Z•FAN2 (in.) 17 W x 2-1/4 H x 10 D  
(mm) 432 W x 58 H x 254 D

Z•FAN2R (in.) 19 W x 1-3/4 H x 10 D  
(mm) 483 W x 45 H x 254 D

Weight. .... 9 lbs/4 kg

ETL® listed

- Architectural Speakers
- Cinema Speakers
- Subwoofers
- Outdoor Speakers



Speakers

## ELIOS™ PREMIUM ARCHITECTURAL &amp; CINEMA SPEAKERS



NEW  
FOR  
2009



### THE EVOLUTION OF ARCHITECTURAL AUDIO

For years, in-wall and in-ceiling speakers were thought of as an acceptable lower-cost, lesser-quality alternative to free-standing speakers for homeowners who wanted their music heard, but not seen, throughout the house.

Over the years, things have changed significantly in the speaker arena. Digital audio has brought crystal-clear portable sound directly to the ears of millions. Expectations of what people want to hear in the confines of their homes – whether in the bedroom, kitchen, bathroom or garage – have grown. Whole-house audio is no longer background music, and discriminating listeners expect more.

#### **Elios™ has been carefully developed in direct response to these higher expectations.**

Like homeowners, the expectations of the Custom Audio/Video Contractor have also grown. Although sound quality has become a major selling point, durability of materials and ease of installation have become every bit as important – adding more to a Dealer's bottom line by reducing breakage and installation time. Standing high up on a ladder with a screw gun in one hand and a speaker in the other is not the time to discover you need a third hand. Professional installers expect and deserve more.

#### **Elios is a direct response to the Dealer's ever-evolving needs and requirements.**

### DESIGNED AND BUILT WITH AN UNDERSTANDING OF THE APPLICATIONS

Great speakers are much more than the sum of their parts. Technologically advanced cone materials and computer-designed crossover networks are of little value if the end result is a speaker that is difficult to install and unpleasing to the ears.

The Elios line of Architectural and Cinema In-Wall and In-Ceiling Speakers were designed and built with an understanding of all the applications. The most technologically advanced cone materials have been used for all drivers as well as the aid of a computer when designing our crossover networks. But that was only the beginning.

Taking the holistic approach, our guiding tenet when developing Elios was that a whole system of values must be analyzed rather than simply its individual components. Everything from the exacting needs of the installer to the discriminating ear of the listener must be carefully and thoroughly considered if we were to take architectural audio to a completely new level.

Our research shows that most people we know don't listen to music in an acoustically-perfect sound lab. They listen while lying in bed, or standing at the kitchen counter, or while taking a bath. In addition to using anechoic chamber measurements to aid in the design, every Elios speaker was voiced under real-life listening conditions – in a real room with real furniture and real pictures hanging on the wall.

Most of the Custom Audio/Video Contractors we know don't install architectural speakers in a test lab with free-standing drywall platforms and pre-cut ceiling tiles. Every Elios speaker was installation-tested under real-life installation conditions – in a real home with real walls and high ceilings.

At ELAN, we felt it was about time that expectations were met like never before.

Introducing ELIOS - designed to meet your highest expectations.



## DESIGN FEATURES FOR THE CUSTOM INSTALLER

All Elios Speaker models, regardless of price, include innovative new features that make their installation easier, less time-consuming and perfect each time.

### EASY-STAY GRILLES

Built and tested with the Custom Installer in mind, the unique baffle and frame design of every Elios speaker ensures that grilles will always go on easily and always stay in place.

### EASY-RELEASE CLAMPING LEGS

New, specially designed leg towers and caps mean no more stuck or broken clamping legs, stripped

screws and exposed screw tips. The new high-strength design of the legs means they won't break, and the larger footprints mean less pressure on the drywall and therefore less crushing around the cutout.

### EASY-CUT FLANGES

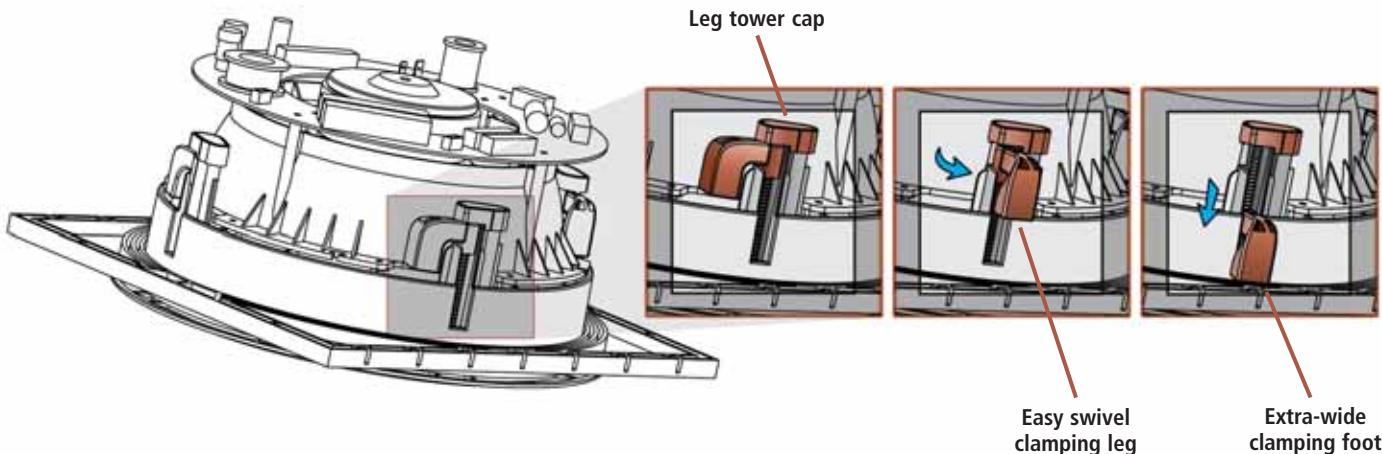
Not too narrow, not too wide – All Elios speakers feature flange widths that are wide enough to cover inconsistencies in the drywall cutout, yet narrow enough to keep a sleek in-wall/in-ceiling appearance.

### EASY-PAINT BEZELS

Special care was taken to select the right plastic (ABS 757) to allow for a wide range of paints to properly adhere to it. This includes eco-friendly water based enamel paints.

### EASY-CATCH DEBRIS SCREENS

All woofer frames have built-in debris screens to prevent damage to the woofer cone during installation and while home construction is still going on.



## DESIGN FEATURES FOR THE AUDIO ENTHUSIAST

Fine-tuned in real life listening environments, all ELIOS speakers deliver uncompromised sound.

### 1" TWEETER / 7" WOOFER 2-WAY SPEAKER DESIGN

In general, the larger the woofer the more difficult it is to use in a 2-way (woofer/tweeter) system. Our choice of 1-inch tweeters on all 7-inch models (except dual voice coil) means a smooth summation through the critical vocal region. 1-inch tweeters also have greater power-handling than 3/4-inch tweeters. This is very important in 2-way speakers systems as we can confidently lower the crossover point, which in turn makes for a more natural sound through that same vocal range.

### 3/4" TWEETER / 9" WOOFER 3-WAY SPEAKER DESIGN

With the addition of a midrange driver in a 3-way speaker system, tweeters are not required to reproduce the lower frequencies that are needed to

make them blend properly in a 2-way speaker design. This means that they do not need to handle as much power, and that the overall system can handle more power. We therefore chose to go with 3/4-inch tweeters in our 3-way systems in order to take advantage of their superior dispersion characteristics which blend perfectly with the 2.5-inch midrange and 9-inch woofer for smoother on-and off-axis response.

### CUSTOM CROSSOVER NETWORKS

Compared to most other brands, Elios speakers use higher power-handling components for their crossover networks. The Elios Cinema line of speakers takes it a step further with the use of high-quality inductors and Mylar and polypropylene capacitors. All these contribute to less distortion and higher sound quality.

Additionally, Elios crossover networks are not designed in a vacuum. Only after careful consideration of the drivers and mechanical design of each speaker are just the right components selected to get the response or sound we want. This completely integrated approach to crossover design, combined with optimization software and a

ton of listening, make all Elios speakers a cut above the rest.

### DIRECTIONAL SOUND

Elios speakers use both pivoting and rotational mechanisms that allow you to direct the sound into the listening area. This results in greatly enhanced stereo imaging regardless of speaker placement or room dimensions.

### BIGGER MAGNETS

Bigger magnets on each woofer means more output and a punchier bottom end. Bigger magnets are common in box speakers where depth constraints aren't an issue. The magnets on architectural speakers, by their very nature, are restricted by where they are being installed. All Elios speakers have been custom engineered to allow for bigger magnets with woofer motors specifically designed for in-wall/in-ceiling applications.

### DESIGNED FOR A LIFETIME OF USE

All Elios speakers come with a Limited Lifetime Warranty.

## ELIOS ARCHITECTURAL & CINEMA SPEAKERS

### Elios Architectural Speakers

#### 7" In-Ceiling w/ stationary woofers



#### 7" In-Ceiling w/ pivoting woofers



#### 7" In-Walls



### Elios Cinema Speakers

#### 9" In-Ceiling w/ stationary baffles



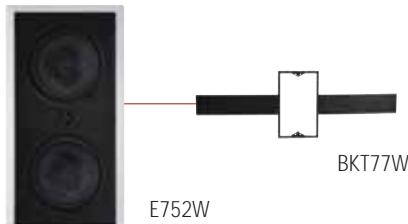
#### 9" In-Ceiling w/ rotating baffles



#### Dual 5.25" In-Wall



#### Dual 7" In-Wall



# ELIOS ARCHITECTURAL SPEAKERS

IN-CEILING • IN-CEILING DUAL VOICE COIL • IN-WALL

NEW  
FOR  
2009

Introducing the Elios line of Architectural Speakers – ten in-wall and in-ceiling speaker models designed to meet the exacting needs of Homeowner and Custom Installer alike.

## ARCHITECTURAL CEILING SPEAKERS

Elios Architectural Ceiling Speakers feature a 2-way design that optimizes the use of custom 7-inch woofers and 1-inch pivoting tweeters.

1-inch tweeters have greater power handling. This is very important in 2-way speaker systems as we can confidently lower the crossover point, allowing the tweeters to blend better with the large 7-inch woofer. This makes for a more

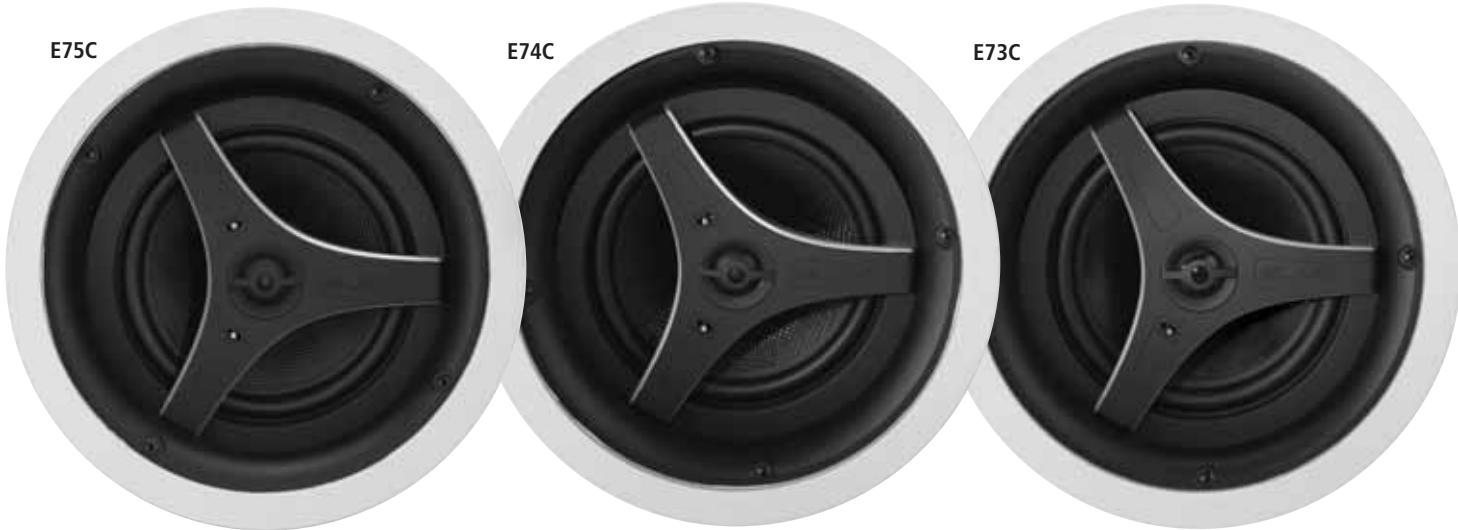
natural sound through the critical vocal range, while leaving the detail of the high frequencies and the punchy bottom end in tact.

The Elios line features six 2-way Architectural Ceiling Speakers that provide you and your clients with the quality sound, uncompromising construction and flexible price points needed for today's multi-room audio applications.

### Elios E75C / E74C / E73C

Designed for critical, frequently-used listening areas, these three in-ceiling models offer exceptional bass, beautiful vocal range response and some of the most accurate, natural-sounding highs you'll ever hear.

What's more, the E75C, E74C & E73C deliver stereo imaging rivaling that of perfectly positioned cabinet speakers by placing both the tweeter and the woofer in a pivoting baffle design that enables you to direct the entire frequency spectrum toward the prime listening area.



E75C

E74C

E73C

	E75C	E74C	E73C
<b>Woofer</b>	7 in. Kevlar, pivoting	7 in. fiberglass, pivoting	7 in. Mica-filled injection cone, pivoting
<b>Tweeter</b>	1 in. Titanium / Aluminum nano-coated Teteron dome, pivoting	1 in. Titanium / Aluminum nano-coated Teteron dome, pivoting	1 in. Teteron Dome, pivoting
<b>Frequency Response</b>	45Hz-20kHz	45Hz-20kHz	48Hz-20kHz
<b>Sensitivity</b>	88.5dB	88dB	87.5dB
<b>Rated Power</b>	65W RMS	65W RMS	60W RMS
<b>Nominal Impedance</b>	8 Ohms	8 Ohms	8 Ohms
<b>Crossover</b>	Enhanced Custom "Q" multi-pole	Enhanced Custom "Q" multi-pole	Custom "Q" multi-pole
<b>Switches</b>	Bass & EQ	Bass & EQ	EQ
<b>Cutout Dims.</b>	9-6/8 in. (246.5 mm)	9-6/8 in. (246.5 mm)	9-6/8 in. (246.5 mm)
<b>Outside Frame Dims.</b>	11 in. (279 mm)	11 in. (279 mm)	11 in. (279 mm)
<b>Depth</b>	5-7/8 (148mm)	5-7/8 (148mm)	4-1/2 in. (114 mm)
<b>Rough-in Brackets</b>	BKT7PC	BKT7PC	BKT7PC

ELIOS ARCHITECTURAL SPEAKERS continued

## ---Elios E72C / E71C / E70C

For rooms where the finest sound is still a prerequisite but the listening area is more fluid (i.e. the kitchen or rec room), Elios in-ceiling models E72C, E71C and E70C feature a stationary woofer baffle and a pivoting tweeter that allows high-frequencies to be directed into the listening area.

Combined with all of Elios' unique design innovations that make installation easy and trouble-free every time, the result is three beautiful-sounding, easy-to-install ceiling speakers that shine in any application and fit perfectly into any budget.



E72C

E71C

E70C

Woofer	7 in. Mica-filled injection cone	7 in. mineral-filled Polypropylene	7 in. mineral-filled Polypropylene
Tweeter	1 in. Silk Dome, pivoting	1 in. Soft Dome, pivoting	3/4 in. Soft Dome, pivoting
Frequency Response	50Hz-20kHz	50Hz-20kHz	50Hz-20kHz
Sensitivity	87dB	87dB	87dB
Rated Power	55W RMS	50W RMS	50W RMS
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Crossover	Custom "Q" multi-pole	Custom "Q" multi-pole	Custom "Q" single pole
Switches	High Freq.	N/A	N/A
Cutout Dims.	8-5/8 in. (220 mm)	8-5/8 in. (220 mm)	8-5/8 in. (220 mm)
Outside Frame Dims.	10 in. (253 mm)	10 in. (253 mm)	10 in. (253 mm)
Depth	4-3/8 in. (111 mm)	4-1/4 in. (108 mm)	4-1/4 in. (108 mm)
Rough-in Brackets	BKT7C	BKT7C	BKT7C

## ELIOS ARCHITECTURAL SPEAKERS continued

### ARCHITECTURAL DUAL VOICE COIL CEILING SPEAKERS Elios E73D / E72D

Dual voice coil speakers are designed to provide stereo sound and imaging in areas where only one speaker can be installed. Elios Dual Voice Coil Speakers are designed to provide THE BEST stereo sound and imaging possible from a single speaker.

Utilizing dual 3/4" tweeters to maximize high-end dispersion, 7-inch mica-filled injection cone woofers and a custom crossover network, both models provide impressive high/mid stereo imaging and exceptional bass. The E73D also features a pivoting "eyeball" mechanism that allows the sound to be directed into the listening area for even better imaging.

Just because space is at a premium doesn't mean you have to compromise on premium sound!

NEW  
FOR  
2009

E73D



E72D



E73D

E72D

<b>Woofers</b>	7 in. Mica-filled injection cone, pivoting	7 in. Mica-filled injection cone
<b>Tweeter</b>	(2) 3/4 in. Teteron Dome	(2) 3/4 in. Soft Dome
<b>Frequency Response</b>	48Hz-20kHz	50Hz-20kHz
<b>Sensitivity</b>	88dB	87dB
<b>Rated Power</b>	60W RMS	55W RMS
<b>Nominal Impedance</b>	8 Ohms	8 Ohms
<b>Crossover</b>	Custom "Q" multi-pole	Custom "Q" multi-pole
<b>Switches</b>	EQ	High Frequency
<b>Cutout Dims.</b>	9-6/8 in. (247 mm)	8-5/8 in. (220 mm)
<b>Outside Frame Dims.</b>	11 in. (279 mm)	10 in. (253 mm)
<b>Depth</b>	6-3/4 in. (171mm)	4-3/8 in. (111 mm)
<b>Rough-in Brackets</b>	BKT7PC	BKT7C

ELIOS ARCHITECTURAL SPEAKERS continued

## ARCHITECTURAL IN-WALL SPEAKERS

## Elios E72W / E71W

For applications where only in-wall speakers will do, Elios has two high-performance models with 7-inch woofers and pivoting 1-inch tweeters that deliver full, rich, accurate sound to even the largest of rooms.

Special care was taken on our in-wall models to minimize tweeter diffraction. This makes for a smoother high frequency response and a better sounding speaker.

NEW  
FOR  
2009

Like the in-ceiling models, 1-inch tweeters in pivoting "eyeballs" are matched perfectly to blend with 7-inch woofers and custom crossover networks to provide warm, natural-sounding vocal reproduction, clear high end and deep bass.

E72W



E71W



E72W

<b>Woofers</b>	7 in. Mica-filled injection cone	7 in. mineral-filled Polypropylene
<b>Tweeter</b>	1 in. Soft Dome, pivoting	1 in. Soft Dome, pivoting
<b>Frequency Response</b>	50Hz-20kHz	50Hz-20kHz
<b>Sensitivity</b>	87.5dB	87dB
<b>Rated Power</b>	55W RMS	50W RMS
<b>Nominal Impedance</b>	8 Ohms	8 Ohms
<b>Crossover</b>	Custom "Q" multi-pole	Custom "Q" multi-pole
<b>Switches</b>	High Frequency	N/A
<b>Cutout Dims.</b>	13-1/2 x 7-7/8 in. (342 x 201 mm)	13-1/2 x 7-7/8 in. (342 x 201 mm)
<b>Outside Frame Dims.</b>	14-3/4 x 9-2/8 in. (375 x 234 mm)	14-3/4 x 9-2/8 in. (375 x 234 mm)
<b>Depth</b>	3-7/8 in. (97 mm)	3-7/8 in. (97 mm)
<b>Rough-in Brackets</b>	BKT7W	BKT7W

# ELIOS CINEMA SPEAKERS

## PREMIUM IN-WALL & IN-CEILING SPEAKERS FOR THE HOME THEATER

NEW  
FOR  
2009

Introducing the Elios line of Cinema Speakers – seven in-wall and in-ceiling speaker models specifically designed to reproduce the dynamic, high-end audio required for Home Theater environments.

### CINEMA CEILING SPEAKERS

Elios Cinema Speakers take in-ceiling Home Theater sound reproduction to the next level.

All five models are of a 3-way design that features custom 9-inch woofers with larger magnets for increased output and tighter bottom end. The 2.5-inch midrange and 3/4" tweeter are mounted on a bridge with a fixed 30° angle from the woofer's audio axis.

This not only allows you to point the mids and highs into the listening area for better imaging, but ensures that the midrange driver's lower frequencies are isolated from the upper frequencies of the woofer's spectrum, making for smooth and articulate vocal reproduction. Additionally, the tweeters pivot independently of the bridge, allowing for even more pin-point accuracy of upper frequencies.

Featuring five 3-way models, the Elios line of Cinema Ceiling Speakers deliver sound and imaging that defy their in-ceiling nature.

Designed for front stage, center stage, surround sound or any in-ceiling application where audio is taken very seriously, Elios Cinema Ceiling Speakers succeed on every level.

### Elios E95C / E94C / E93C

Our three flagship models, the E95C, E94C and E93C take this concept a step further with a fully rotating baffle design that makes installation and high frequency steering incredibly simple and accurate.

Quite simply, this is in-ceiling sound at its very, very best.

### ELAN's Flagship Model



### E95C

### E94C

### E93C

System Type	3-way bridge design, 360° rotating baffle	3-way bridge design, 360° rotating baffle	3-way bridge design, 360° rotating baffle
Woofers	9 in. Kevlar	9 in. fiberglass	9 in. Mica-filled injection cone
Midrange	2.5 in. Kevlar	2.5 in. fiberglass	2.5 in. Mica-filled injection cone
Tweeter	3/4 in. Titanium / Aluminum nano-coated Teteron dome, pivoting	3/4 in. Titanium / Aluminum nano-coated Teteron dome, pivoting	3/4 in. Teteron dome, pivoting
Frequency Response	40Hz-20kHz	40Hz-20kHz	43Hz-20kHz
Sensitivity	88.5dB	88dB	87.5dB
Rated Power	90W RMS	90W RMS	85W RMS
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Crossover	Custom "Q" multi-pole	Custom "Q" multi-pole	Custom "Q" multi-pole
Switches	Bass & EQ	Bass & EQ	EQ
Cutout Dims.	12-5/8 in. (320 mm)	12-5/8 in. (320 mm)	12-5/8 in. (320 mm)
Outside Frame Dims.	13-7/8 in. (353 mm)	13-7/8 in. (353 mm)	13-7/8 in. (353 mm)
Depth	6-1/2 in. (165 mm)	6-1/2 in. (165 mm)	6-1/2 in. (165 mm)
Rough-in Brackets	BKT9PC	BKT9PC	BKT9PC

ELIOS CINEMA SPEAKERS continued

## Elios E92C / E91C

Home Theaters vary in magnitude and use. The requirements and expense of a surround sound system in the bedroom or playroom may not be the same as a home's main theater room.

Still, there's no need to sacrifice sound and imaging just because you're watching a movie in bed. The Elios E92C and E91C were designed to impress the ears and your clients' budget.

NEW  
FOR  
2009



E92C

E91C

System Type	3-way bridge design, stationary baffle	3-way bridge design, stationary baffle
Woofer	9 in. Mica-filled injection cone	9 in. mineral-filled Polypropylene
Midrange	2.5 in. Mica-filled injection cone	2.5 in. mineral-filled Polypropylene
Tweeter	3/4 in. silk dome, pivoting	3/4 in. soft dome, pivoting
Frequency Response	45Hz-20kHz	45Hz-20kHz
Sensitivity	87dB	87dB
Rated Power	80W RMS	75W RMS
Nominal Impedance	8 Ohms	8 Ohms
Crossover	Custom "Q" multi-pole	Custom "Q" multi-pole
Switches	High Frequency	N/A
Cutout Dims.	10-7/8 in. (275 mm)	10-7/8 in. (275 mm)
Outside Frame Dims.	12-1/8 in. (308 mm)	12-1/8 in. (308 mm)
Depth	6-6/8 in. (171 mm)	6-6/8 in. (171 mm)
Rough-in Brackets	BKT9C	BKT9C

ELIOS CINEMA SPEAKERS continuedNEW  
FOR  
2009

E752W

## Elios E752W / E552W / E532W

Using a finely-tuned array of dual woofers, pivoting dome tweeters and custom "Q" multi-pole crossover networks, Elios Cinema In-Walls produce beautiful imaging and sonic excellence across the entire frequency spectrum.

The E752W and E552W both use dual woven Kevlar woofers and nano-coated Teteron dome pivoting tweeters to deliver incredible bottom-end punch and the cleanest, most natural-sounding high-end reproduction of any in-wall speaker you'll encounter.

E552W



E752W

E552W

E532W



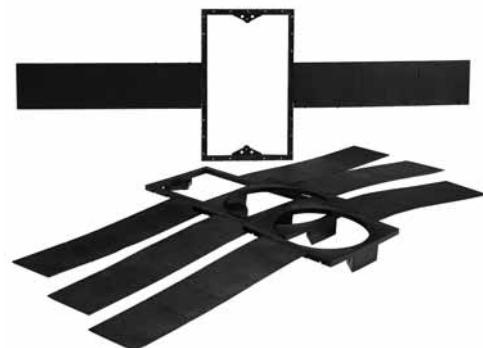
The E552W and E532W feature ELAN's patent-pending 15° angled baffle, making them two of the most flexible Home Theaters speakers on the market. Ideal as a left or right stage speaker that can focus sound into the listening area for optimal stereo imaging, the angled baffle also lets you install it horizontally above or below the TV screen, ensuring that all center channel audio is pointed in the right direction – toward the listener.

As front stage left, right, center – or rear channel surround – all three Elios Cinema In-Wall models shine in any home theater application.

System Type	Dual Woofer L / R		Dual Woofer L / C / R	Dual Woofer L / C / R
Woofer	7 in. woven Kevlar (2)		5.25 in. woven Kevlar (2)	5.25 in. mica-filled injection cone (2)
Tweeter	1 in. Titanium / Aluminum nano-coated Teteron dome, pivoting		1 in. Titanium / Aluminum nano-coated Teteron dome, pivoting	1 in. Teteron dome, pivoting
Frequency Response	40Hz-20kHz		50Hz-20kHz	50Hz-20kHz
Sensitivity	90dB		88dB	88dB
Rated Power	90W RMS		80W RMS	80W RMS
Nominal Impedance	6 Ohms		6 Ohms	6 Ohms
Crossover	Custom "Q" multi-pole		Custom "Q" multi-pole	Custom "Q" multi-pole
Switches	3-position EQ		3-position EQ	3-position EQ
Cutout Dims.	(in.) 9-15 W x 19 H (mm) 241 x 483		(in.) 7-1/4 W x 14-3/8 H (mm) 184 W x 365 H	(in.) 7-1/4 W x 14-3/8 H (mm) 184 W x 365 H
Outside Frame Dims.	(in.) 10-3/4 W x 20-1/4 H (mm) 273 W x 514 H		(in.) 8-3/8 W x 15-7/16 H (mm) 231 W x 392 H	(in.) 8-3/8 W x 15-7/16 H (mm) 231 W x 392 H
Depth	4 in. (102mm)		4 in. (102 mm)	4 in. (102 mm)
Rough-in Brackets	BKT77W		BKT55W	BKT55W

## ELIOS ROUGH-IN SPEAKER BRACKETS

Bracket No. (sold in 6 pkgs)	BKT7C	BKT7PC	BKT9C	BKT9PC	BKT7W	BKT55W	BKT77W
For use with Speaker Order No.	E70C E71C E72C E72D	E73C E74C E75C E73D	E91C E92C	E93C E94C E95C	E71W E72W	E532W E552W	E752W





## WHITE KNUCKLE PERFORMANCE (*BLACK GLOSS CABINET*)



Conventional wisdom has always held that big sound can only come from an equally statuesque speaker. That is, until Sunfire introduced its radical new High Resolution Series subwoofers and satellite speakers. Witness the HRS-8, that delivers a heart-stopping 1,000 Watts of audiophile-quality performance and does it from the smallest form factor to ever do so. And when your space needs even more bass, consider its larger siblings, the HRS 10 or 12-inch models.

Is all this magic? Well, not entirely. It's Sunfire's legendary High Back-emf woofers that make enormous sound happen in very small cabinets. No other company has more experience doing it. And, speaking of cabinets, these are finished in your choice of gorgeous gloss black or our all-new, premium cherry wood veneer. So, while HRS Subs are not the first good thing to come in a small package, they are certainly the least conventional.



*Part of the HRS family*

**HRS-10 / HRS-8** SUNFIRE HIGH RESOLUTION SERIES SUBWOOFERS  
ORDER NOS. HRS10 / HRS8

Now Available to ELAN Dealers!

**Sunfire**  
INTERNATIONAL

NEW  
FOR  
2009



Also Available in 240VAC Version (Order No. HRS10-240 / HRS8-240)

**SPECIFICATIONS**

**HRS-8**

**HRS-10**

Driver	8 in.	10 in.
Amplifier Power (RMS)	1000 W	1000 W
Frequency Response	22-100 Hz	20-100 Hz
Max. Output (including room gain)	102 dB	105 dB
Crossover Frequency	30Hz – 100Hz variable w / bypass	30Hz – 100Hz variable w / bypass
Output Level Control	Off to +15dB variable	Off to +15dB variable
Frequency Filtration Design (FFD™)	Yes	Yes
Dimensions	(in.) 9-3/4 cube (mm) 247	(in.) 11-1/2 cube (mm) 292
Line Power Consumption	600W avg., 2000W peak, 16W standby	600W avg., 2000W peak, 16W standby
Power Requirements	100V 50 Hz, 120V 60Hz, 220V 50 / 60Hz	100V 50 Hz, 120V 60Hz, 220V 50 / 60Hz
Weight	28 lbs / 12.7 kg	34 lbs / 15.4 kg
Finish	Black Lacquer	Black Lacquer

Only Authorized Direct ELAN Dealers can order Sunfire HRS-10 & HRS-8 subwoofers. For information on becoming an authorized Sunfire Dealer and carrying their full range of luxury home theater products, contact your ELAN / Sunfire Regional Sales Manager.

ELAN is proud to make available to its Dealers two award-winning subwoofers that make ideal counterparts to the Elios E752W and E552W Cinema In-Walls. Meet the HRS-10 and HRS-8 from Sunfire.

In addition to possessing many of Sunfire's patented and celebrated technologies, these two High Resolution Series subs take their cue from Sunfire's flagship subwoofer – the XT-Series SubRosa™. Like Subrosa, the HRS-10 and HRS-8 feature an obsessive attention to component selection, High Back-emf woofer design, and Sunfire's innovative acoustic tailoring called Frequency Filtration Design™.

Exclusive to Sunfire, FFD™ greatly improves accuracy and gives HRS subs a remarkable 'sonic intelligence' that you'll hear and feel every time you listen to your favorite music or movies. All this technology is wrapped in a gorgeous Piano-black gloss finish that looks as good as it sounds.

**FEATURES**

- Sunfire's legendary High Back-emf woofer design
- 1,000 Watt TDC™ amplifier
- Frequency Filtration Design™
- Infinitely variable crossover, phase, & level controls
- RCA & speaker level inputs
- Removable IEC cord
- Gloss Piano-Black lacquer finish

## O SERIES OUTDOOR SPEAKERS



From the patio to the pool, on a boat or even inside on a bookshelf, ELAN O Series Outdoor Speakers deliver the sound your customers want, anywhere they want it. Their unique acoustic design delivers a deep, clean bass that beautifully complements the accurate highs and warm mids – making them ideal for all types of music at any volume. Their all-weather cabinet design makes them the ideal speaker for just about any environment.

All models come with custom "C" brackets that can be mounted horizontally or vertically onto walls or under eaves and swivel up to 180° so that you can direct the sound where you want it to go. The brackets, grills and cabinets are even paintable, allowing you to customize them to match your client's home.

O Series Outdoor Speakers are available in two grades in five different models.



### FEATURES COMMON TO ALL O SERIES SPEAKERS

- Big sound – small footprint
- Weather-resistant construction withstands the most extreme conditions
- Bass reflex box tuning for increased bass response
- Gold-plated, weather-resistant speaker terminals
- Custom C-brackets (incl.) swivel 180°
- Mounts horizontally or vertically, under eaves or on walls
- Paintable grilles, cabinets & brackets for easy color matching

### OM SERIES SPEAKERS

Incorporating design features usually found only on indoor speakers costing considerably more, the award-winning OM Series boasts Mica-filled composite woofers for fast, clean and deep bass response, oversized magnets for better power handling, vented-pole driver mounting for increased dispersion, and Custom Q crossovers. Just listen and you'll know why OM speakers are a cut above the rest.

### OM650S 6.5" DUAL VOICE COIL STEREO OUTDOOR SPEAKER ORDER NO. OM650S

A dual voice coil speaker designed to provide premium stereo audio to areas where only one speaker is desired or can be accommodated. Available in white.



### OM650 6.5" 2-WAY OUTDOOR SPEAKERS ORDER NO. OM650W (White), OM650B (BLACK)

Incredible bass response. High power handling. Our best outdoor speaker system fills even large outdoor areas with the finest in sound. Available in white and black.



### OM525 5.25" 2-WAY OUTDOOR SPEAKERS ORDER NO. OM525

Premium, indoor-quality sound in a smaller package for smaller areas. Available in white.

**OE SERIES OUTDOOR SPEAKERS**

Ideal for smaller or less-used outdoor areas, the OE Series offers quality sound and premium construction at a great price. OE speakers use the same cabinet design as the OM Series – bass reflex box tuning that increases bass response while maintaining a small enclosure size. Composite polypropylene /carbon woofers and silk diaphragm tweeters deliver the smooth and accurate sound needed for outdoor listening environments.

**OE650 6.5" 2-WAY OUTDOOR SPEAKERS****ORDER NO. OE650**

Big sound at a sizeable savings.  
Available in white.


**OE525 5.25" 2-WAY OUTDOOR SPEAKERS**  
**ORDER NO. OE525B (Black), OE525W (White)**

Ideal for smaller areas where sound quality and price make the difference.  
Available in white & black.

**SPECIFICATIONS****OM650S****OM650****OM525**

<b>Woofer</b>	6.5 in. dual voice coil, polypropylene / mica composite, butyl rubber surround	6.5 in. polypropylene / mica composite, butyl rubber surround	5.25 in. polypropylene / mica butyl rubber surround
<b>Tweeter</b>	19mm dual voice coil, silk dome	19mm silk dome	19mm silk dome
<b>Frequency Response</b>	60Hz to 20kHz, +/- 3dB	58Hz to 20kHz, +/- 3dB	60Hz to 20kHz, +/- 3dB
<b>Crossover</b>	2nd order low Q @ 2.4kHz	2nd order low Q @ 2.4kHz	2nd order low Q @ 2.4kHz
<b>Sensitivity</b>	91dB	90dB	90dB
<b>Impedance</b>	6 Ohms	6 Ohms	6 Ohms
<b>Rated Power</b>	100W total, 50WPC RMS	100 Watts RMS	85 Watts RMS
<b>Operating Temp.</b>	-4°F to +140°F (-20°C to +60°C)	-4°F to +140°F (-20°C to +60°C)	-4°F to +140°F (-20°C to +60°C)
<b>Dimensions</b>	(in.) 7-5/16 W x 13-5/16 H x 7-5/16 D (mm) 186 W x 338 H x 186 D	(in.) 7-5/16 W x 13-5/16 H x 7-5/16 D (mm) 186 W x 338 H x 186 D	(in.) 6-1/2 W x 10-13/16 H x 6-3/4 D (mm) 165 W x 275 H x 171 D
<b>Weight</b>	10 lbs. / 4.5kg ea.	10 lbs. / 4.5kg ea.	8 lbs. / 3.6kg ea.
<b>Color</b>	White only	White or Black	White only

**SPECIFICATIONS****OE650****OE525**

<b>Woofer</b>	6.5 in. polypropylene / carbon composite, butyl rubber surround	6.5 in. polypropylene / carbon composite, butyl rubber surround
<b>Tweeter</b>	13mm dual voice coil, silk diaphragm	13mm silk diaphragm
<b>Frequency Response</b>	60Hz to 20kHz, +/- 3dB	658Hz to 20kHz, +/- 3dB
<b>Crossover</b>	1st order, linear phase @ 3.1kHz	1st order, linear phase @ 3.1kHz
<b>Sensitivity</b>	89dB	89dB
<b>Impedance</b>	6 Ohms	6 Ohms
<b>Rated Power</b>	80 Watts RMS	60 Watts RMS
<b>Operating Temp.</b>	-4°F to +140°F (-20°C to +60°C)	-4°F to +140°F (-20°C to +60°C)
<b>Dimensions</b>	(in.) 7-5/16 W x 13-5/16 H x 7-5/16 D (mm) 186 W x 338 H x 186 D	(in.) 6-1/2 W x 10-13/16 H x 6-3/4 D (mm) 165 W x 275 H x 171 D
<b>Weight</b>	8.5 lbs. (4kg) ea.	6.5 lbs. (3kg) ea.
<b>Color</b>	White only	White or Black

- Sensors
- Emitters
- Distribution
- Accessories



# IR Systems

## IR SENSORS

Surface-mount, flush-mount or tabletop. CFL-friendly or extreme plasma conditions. ELAN carries a full line of high-quality IR Sensors for just about every application.

### IRS1/IRS2 SURFACE-MOUNT IR SENSORS

ORDER NOS. IRS1B/IRS2B



This sleek-looking miniature IR Sensor can be surface mounted just about anywhere—cabinetry, TVs, walls—you name it. Its unique quad "mini" plug on the IRS1 connects to any ELAN IRD4 or IRD2 Distribution Block and provides system status and IR activity feedback to the on-board LEDs. Bare leads on the IRS2 make for easy system connections.

#### FEATURES

- Sleek, miniature surface-mount IR Sensor
- CFL-friendly design
- Ambient light filtration
- IR activity & system status LED indicators
- Full-color retail box standard (IRS1 only)
- Available in Black
- IRS1 w/ quad "mini" plug
- IRS2 w/ bare leads

### IRS3/IRS4 FLUSH-MOUNT IR SENSORS

ORDER NOS. IRS3/IRS4



Designed to mount flush in a cabinet or wall, the IRS3's and IRS4's small footprint and low-profile bezel make it an ideal choice wherever an inconspicuous IR Sensor is needed. The 3.5 mm quad "mini" plug on the IRS3 makes for a quick connection to an ELAN IRD4 or IRD2 Distribution Block. Bare leads on the IRS4 provide for easy system connections.

#### FEATURES

- Low-profile flush-mount IR Sensor
- SFL friendly design
- Ambient light filtration
- Full-color retail box standard (IRS3 only)
- IRS3 w/quad "mini" plug
- IRS4 w/bare leads

### IRS5 TABLETOP IR SENSOR W / PLUG

ORDER NO. IRS5



Small, sleek and attractive, the IRS5 was designed to sit on a cabinet, shelf, tabletop or any flat service. The weighted base and non-slip, no-scuff pad ensure that it remains where you place it. The IRS5 features system status and IR activity LEDs and a quad "mini" plug for easy connection to the ELAN IRD4 Amplified IR Distribution Block.

#### FEATURES

- Small, sleek styling for table / cabinet-top applications
- CFL friendly design
- Ambient light filtration
- Weighted base with non-skid, no-scuff pad
- IR activity & system status LED indicators
- Available in Black
- Full-color retail box standard

### IRS7EP EXTREME PLASMA SURFACE-MOUNT IR SENSOR W/ PLUG

ORDER NO. IRS7EP



Specifically designed for extreme plasma or severe CFL environments, the IRS7EP provides reliable IR data transmissions even under the harshest circumstances. The two-piece design allows you to hide the main module inside a cabinet while the small, unobtrusive sensor module can be adhered to any flat service. A quad "mini" plug provides an easy connection to the ELAN IRD4 Amplified IR Distribution Block.

#### FEATURES

- Reliable IR control in extreme plasma or CFL environments
- 2-piece design allows tiny Sensor module to be mounted discreetly
- IR Activity LED indicator on main module
- Quad "mini" plug for easy connection to the ELAN IRD4 Amplified IR Distribution Block
- Full-color retail box standard

### IRS8EP EXTREME PLASMA SURFACE-MOUNT IR SENSOR W/ BARE LEADS

ORDER NO. IRS8EP



The IRS8EP features the same extreme plasma and severe CFL design as the IRS7EP, but comes with bare leads for the custom installer.

#### FEATURES

- Reliable IR control in extreme plasma or CFL environments
- 2-piece design allows tiny Sensor module to be mounted discreetly
- IR Activity LED indicator on main module
- Bare leads for quick & easy system connections
- 4-position termination block (incl.)
- Non-retail packaging

## IR EMITTERS

ELAN offers a wide variety of IR Emitters for every application, and all are designed for the reliable transmission of any infrared signal. Each single- or dual-head Emitter comes with a unique docking module that stays in place on the IR window while allowing for the easy removal of the Emitter when rearranging or servicing A/V components. The docking module's larger surface area also provides better adhesion to component IR windows.

The Emitters' IR-transparent housing allows infrared from hand-held remotes to pass through to the component, allowing for in-room, as well as system control of every source. All ELAN IR Emitters have eight-foot leads with a standard 3.5mm mono "mini" plug. Certain models include an IR blocking shield that prevents stray IR commands directed at other sources from interfering with source control.

### IRE1 IR Emitter / IRE2 Talk Back IR Emitter

ORDER NOS. IRE1 / IRE2



#### IRE1 FEATURES

- Single-head IR Emitter w / docking module
- IR shield & extra docking modules (incl.)
- Full-color retail box standard

#### IRE2 FEATURES

- Single-head IR Emitter w / "talk back" LED & docking module
- IR shield & extra docking modules (incl.)
- Full-color retail box standard

### IRE1D Dual IR Emitter / IRE2D Dual Talk Back IR Emitter

ORDER NOS. IRE1D / IRE2D



#### IRE1D FEATURES

- Dual-head IR Emitter w / docking modules
- Control two sources from one IR output port
- Ideal for ELAN "ALL" port applications
- IR shield & extra docking modules (incl.)
- Full-color retail box standard

#### IRE2D FEATURES

- Dual-head IR emitter w / "talk back" LEDs & docking modules
- Control two sources from one IR output port
- Ideal for ELAN "ALL" port applications
- IR shield & extra docking modules (incl.)
- Full-color retail box standard

### IRE3 High Output IR Emitter

ORDER NO. IRE3



The IRE3 allows control of multiple A / V components with a single Emitter. This adjustable 3-inch wand contains two high-output IR Emitters that operate at different frequencies of the IR spectrum, ensuring reliable control of a wide range of A / V components.

#### FEATURES

- Unique wand-shaped "blaster" can control an entire stack of components
- 2 high-output emitters for full spectrum IR control
- Installer-adjustable for perfect shelf overhang positioning
- Adhesive-backed for easy mounting
- Full-color retail box standard

### IRE4 Micro IR Emitter

ORDER NO. IRE4



This tiny, high-output Emitter was designed to be placed close to the IR Sensor inside a component – a neat, clean alternative to IR window-mounted Emitters.

#### FEATURES

- High-output micro emitter mounts inside A / V component
- Adhesive-backed for easy mounting
- Neat, tamper-proof IR control solution
- Non-retail packaging

## IR DISTRIBUTION

Sensors "receive" IR data. Emitters "transmit" IR data. So how does one get this data from point A to point B? Quite easily, actually. In addition to offering a complete line of multi-room controllers that route IR to and from any room in the house, ELAN offers a line of stand-alone IR Distribution blocks for use in any stand alone application.

### IRD2 PASSIVE IR CONNECTION BLOCK

ORDER NO. IRD2



Note: only 3.5 mm quad "mini" plugs can be connected to the 3.5 mm IR Sensor input jack of the IRD2. If the IRD2 is to be connected to the IR output of any other ELAN product, use only the 3.5 mm quad-to-mono interconnect cable included with the IRD2.

For basic IR repeating systems, this one-input by two-output Passive IR Connection Block provides a quick and easy means for connecting an ELAN IR Sensor and two IR Emitters. Current-sharing resistors at each emitter jack allow any combination of single- or dual-emitters to be used. The STATUS input jack allows you to monitor the ON / OFF condition of systems components (PWR2 Power Supply required for status feedback).

#### FEATURES

- Quick & easy connection for 1 ELAN IR Sensor & 2 ELAN IR Emitters
- Great for basic IR repeater systems
- STATUS input jack tells if system is ON or OFF
- Quad "mini" plug-to-mono "mini" plug cable for ELAN controller IR output port applications (incl.)
- Strong adhesive backing for mounting on any flat surface
- Non-retail packaging

### IRDKIT IR DISTRIBUTION KIT

ORDER NO. IRDKIT

With full-color retail packaging standard, the IRDKIT is the ideal off-the-shelf product for consumers who like to "do-it-themselves". The IRDKIT contains everything needed for a basic IR repeater system – a tabletop IR sensor, four IR emitters and the IRD4 Amplified IR Distribution Block with power supply.

### IRD4 AMPLIFIED IR DISTRIBUTION BLOCK

ORDER NO. IRD4



Note: only 3.5 mm quad "mini" plugs can be connected to the 3.5 mm IR Sensor input jack of the IRD4. If the IRD4 is to be connected to the IR output of any other ELAN product, use only the 3.5 mm quad-to-mono interconnect cable included with the IRD4.

The ELAN IRD4 is the heart of any stand-alone IR distribution system. This amplified IR distribution block can connect quad-plug or bare-lead ELAN IR Sensors in one or more rooms and output their signals to up to four IR emitters. The IRD4's robust, wide-bandwidth amplifier incorporates reverse voltage protection so that it has the ability to drive both miniature and high-output emitters simultaneously. And the IRD4 is expandable! Up to ten IRD4s can be linked together to create a distributed IR system that encompasses every room in the house.

#### FEATURES

- Amplified hub for stand-alone IR distribution systems
- Easy connection of both quad-plug & bare-lead ELAN IR Sensors
- 4 output jacks handle both high- & low-output IR emitters
- Expandable! Link up to 10 IRD4s together for large systems
- Mounts on any flat surface (mounting screws incl.)
- Quad-to-mono "mini" plug cable incl. for ELAN controller applications
- Requires PWR2 or PWR3 Power Supply, depending on scope of system
- Full-color retail box

### IRD10 PASSIVE IR Emitter Expansion Block

ORDER NO. IRD10



For use with the IRD4, this simple-to-use emitter expansion block allows you to expand the number of IR output ports in any system. Connecting the IRD10 to the high output emitter port of an IRD4 Amplified IR Distribution Block allows you to add up to ten additional IR emitters per IRD10 to the system for source control. The IR high-output loop port of the IRD10 allows you to add up to four additional IRD10s for a total of 50 emitters. The IRD10 even comes with a one-foot interconnect cable for quick and easy connection.

#### FEATURES

- Connects a single IR output to up to 10 IR Emitters
- Add more Emitters to an IRD4 Amplified IR Connection Block
- Ideal for expanding ELAN IR "ALL" Port capabilities
- Link up to five IRD10s using the high-output loop port
- 1-foot 3.5 mm "mini" plug interconnect cable (incl.)
- Non-retail packaging



#### FEATURES

- 1 box—everything you need!
- Kit includes:
  - (1) IRS5 CFL friendly tabletop IR Sensor
  - (4) IRE2 "talk back" IR Emitters
  - (4) IR Emitter Shields
  - (1) IRD4 Amplified IR Distribution Block
  - (1) Quad "mini" plug-to-mono "mini" plug cable for ELAN controller IR output port applications
  - (1) PWR2 12VDC / 200mA Power Supply
- Full-color retail box standard

## IR ACCESSORIES

### IRIC IR INTERCONNECT CABLE

ORDER NO. IRIC



**Note:** The IRIC IR Interconnect Cable can not be used w/the IRD4 Amplified IR Distribution Block. For connecting the IRD4 to any ELAN IR output, use the 3.5 mm quad-to-mono interconnect cable incl. with the IRD4.

The IRIC is a 3.5 mm mono "mini" plug interconnect cable that is used for IR connections between ELAN multi-room controller IR output ports and any source that has a 3.5 mm IR input jack. Also perfect for routing the trigger outputs of ELAN multi-room controllers to ELAN amplifiers, Z•Fans and the Z•Power Controller.

#### FEATURES

- Plug-and-play cable for direct IR jack connections between components
- 3.5 mm plug-to-3.5 mm plug, 2 m length
- Available in pkgs. of 6
- Not for use with the IRD4 Amplified Distribution Block
- Non-retail packaging

### IRYC IR Emitter "Y" CABLE

ORDER NO. IRYC



Designed specifically to allow you to control one source from two independent IR outputs, the IRYC is a one foot long "Y" cable that converts any ELAN IR Emitter into a dual-plug IR emitter. Internal diodes built into the IRYC prevent conflicts between IR outputs.

#### FEATURES

- 1-foot "Y" cable for dual-plug / single-emitter applications
- Internal diode protection
- Non-retail packaging

### PWR2 200mA, 12 VOLT DC REGULATED POWER SUPPLY

ORDER NO. PWR2



For use with the IRD4 Amplified IR Distribution Block, this regulated 200mA power supply is capable of powering the IRD4 and all the sensors and emitters connected to it. Full-color retail box is standard.

(see pg 94 for Power Supply specifications)

### PWR3 DC REGULATED POWER SUPPLY

ORDER NO. PWR3



For larger distributed IR systems, this regulated 2.1 amp power supply will handle up to ten IRD4s and all the sensors and emitters connected to them. Full-color retail box is standard.

- Enclosures
- Telephone/Data Hubs
- RF Hubs
- Splitter/Combiners
- Home Theater Wall Plates



# Structured Wiring

## ENCLOSURES & ENCLOSURE COVERS

Available in three sizes to suit all your needs, each UL®- or ETL®-listed SW enclosure is constructed from 16-gauge galvanized steel and features a grid mounting pattern that allows you to quickly install ELAN SW Data, Telephone and Video distribution modules.

### E36 36" ENCLOSURE

ORDER NO. E36



#### FEATURES

- 36 in. H enclosure
- 70 x 2 grid spaces (140 total)
- Fits in standard 16 in. on-center stud bay
- Knock outs: (8) 2 in., (3) 3/4 in.

Dimensions:

(in.) 14-1/4 W x 36 H x 3-3/16 D  
(mm) 362 W x 915 H x 97 D

### E18 18" ENCLOSURE

ORDER NO. E18



#### FEATURES

- 18 in. H enclosure
- 34 x 2 grid spaces (68 total)
- Fits in standard 16 in. on-center stud bay
- Knock outs: (8) 2 in., (4) 3/4 in.

Dimensions:

(in.) 14-1/4 W x 18 H x 3-3/16 D  
(mm) 362 W x 458 H x 97 D

### C36 36" ENCLOSURE COVER

ORDER NO. C36



#### FEATURES

- 16-gauge galvanized steel cover for 36 in. enclosure
- Top & bottom vents

### C36H 36" HINGED ENCLOSURE COVER

ORDER NO. C36H



#### FEATURES

- Hinged, easy-access cover for E36 enclosure
- Injection-molded plastic construction
- Increased ventilation
- Adds an extra 1 in. of depth

### C18 18" ENCLOSURE COVER

ORDER NO. C18



#### FEATURES

- 16-gauge galvanized steel cover for 18 in. enclosure
- Top & bottom vents

### C18H 18" HINGED ENCLOSURE COVER

ORDER NO. C18H



#### FEATURES

- Hinged, easy-access cover for E18 enclosure
- Injection-molded plastic construction
- Increased ventilation
- Adds an extra 1 in. of depth

## ENCLOSURE ACCESSORIES

**E10** 10" ENCLOSURE  
ORDER NO. E10



**FEATURES**

- 10 in. H enclosure
- 19 grid spaces
- Accommodates up to 3 SW modules
- Vertical or horizontal mounting
- Surface mounts over single- or double-gang openings

Dimensions:

(in.) 6-1/2 W x 10 H x 1/2 D  
(mm) 166 W x 258 H x 13 D

**C10** 10" ENCLOSURE COVER  
ORDER NO. C10



**FEATURES**

- Snap-on cover for C10
- Depth accommodates SW modules
- Galvanized steel construction

**AC4** DUPLEX OUTLET BOX  
ORDER NO. AC4



**FEATURES**

- Brings AC power inside the E36 & E18
- Accommodates 2 duplex AC outlets
- Mounts at top, bottom, left or right of enclosure
- UL® listed

**ECS** ENCLOSURE CABLE SPACER  
ORDER NO. ECS



**FEATURES**

- Lifts SW modules 1 in. above enclosure's grid for easy wire management
- Increases usable space
- For use w / E36 & E18 enclosures

**ECT** ENCLOSURE COUPLING TUBE  
ORDER NO. ECT



**EG2** 2" ENCLOSURE GROMMETS  
ORDER NO. EG2



**FEATURES**

- 2 in. conduit-size tubes for passing cables between stacked enclosures
- For use w / E36 & E18 enclosures

**FEATURES**

- Solid plastic grommets for 2 in. knockouts
- Facilitates easy routing of cables through knockouts
- Available in pkgs. of 5

## TELEPHONE/DATA DISTRIBUTION PRODUCTS

These products help keep you connected, and provide clean wiring for telephone and data "networks" within the home. A variety of products are available for maximum performance and versatility.

### TH31SRG 4-LINE TELEPHONE HUB W/SURGE PROTECTION

ORDER NO. TH31SRG



Have telephones, modems and fax machines? This is the SW Module to install at the head end of any phone system. The TH31SRG is a four-line telephone hub with built-in surge protection, a master quick-disconnect/system test port and an RJ-31X jack for alarm system connection.

#### FEATURES

- 4-line telephone hub
- Surge suppression for all 4 lines
- Master disconnect / system test port
- RJ-31X for connection to alarm systems
- LED status indicator (1 per telephone line) to warn of a surge event
- Each line individually surge protected to 50 Joules & 4000 Amps
- RJ-45 & 110 punch-down expansion ports
- RJ-45 jumper included
- 6 grid spaces

### DH8 DATA HUB

ORDER NO. DH8



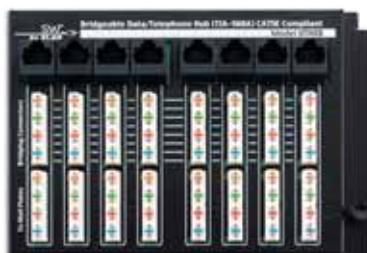
The DH8 is an eight-port data hub with certified 100 Base-T performance. The DH8 features eight RJ-45 jacks for the termination of Cat-5 data lines and eight 110 punch-down connector blocks to route services to wall plates throughout the home.

#### FEATURES

- 8-line data hub
- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- (8) RJ-45 jacks
- (8) 110 punch-down connectors
- 6 grid spaces

### DTH8B BRIDGEABLE DATA / TELEPHONE HUB

ORDER NO. DTH8B



Configurable for both phone and / or data applications, the DTH8B is a certified 100 Base-T eight-port combination data and telephone hub. Eight RJ-45 jacks are available for the termination of Cat-5 data lines, while 110 punch-down connector blocks are used to route services to wall plates throughout the home. Use Cat-5 jumper cables to route services to wall plates in the appropriate rooms. As a telephone hub, the DTH8B can distribute up to four lines to eight telephone wall jacks. The bridging feature allows connection of any number of jacks together.

#### FEATURES

- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- Terminates 8 Cat-5 wires for phone or data
- 2 rows of 110 punch-down connectors
- RJ-45 connectors
- Circuits may be bridged
- Designed for use w / multi-line phone systems
- 9 grid spaces

## TH412 RJ-45 TELEPHONE HUB

ORDER NO. TH412



The TH412 features RJ-45 jacks for the termination of up to 12 telephone wall plates. A 110 punch-down connector makes it easy to connect up to four incoming telephone lines, and the expansion ports allow for the instant connection of additional TH412s if more extensions are needed.

### FEATURES

- Distributes 4 telephone lines to 12 locations
- 12 RJ-45 jacks for easy connections
- 110 punch-downs for incoming lines
- RJ-45 expansion ports allow for easy connection of multiple TH412s
- 6 grid spaces

## TH46 TELEPHONE MASTER HUB

ORDER NO. TH46



This master telephone service hub accepts up to four lines and has 110 punch-down connector outputs for the termination of six telephone wall plates. The TH46 also features an RJ-31X for the quick connection of security panels and an RJ-45 expansion port for the addition of a TH48 Telephone Expansion Hub.

### FEATURES

- Telephone service for 4 lines
- (6) 110 punch-down connectors for wall plates
- RJ-31X security panel connection
- Expansion port
- 6 grid spaces

## TH48 TELEPHONE EXPANSION HUB

ORDER NO. TH48



The TH48 is an expansion telephone hub that allows the addition of eight more telephone wall plate connections. A Cat-5 jumper is included for easy connection to the TH46 Telephone Master Hub. An output expansion port allows you to add even more TH48s to the system.

### FEATURES

- Expansion module for the TH46
- Distributes 4 lines to 8 locations
- 110 punch-down connectors
- Cat-5 jumper included for connection to TH46
- RJ-45 expansion port for multiple TH48s
- 6 grid spaces

## VTH464 RF/TELEPHONE HUB

ORDER NO. VTH464



Need a simple means to distribute both RF and telephone? The VTH464 combines a four-way 1GHz RF splitter / combiner with a four-line/six-location telephone hub in one module.

### FEATURES

- Combination RF & telephone hub
- 4-way 1GHz RF splitter / combiner
- Distributes 4 telephone lines to 6 locations
- 110 punch-down connectors
- 6 grid spaces

## RF DISTRIBUTION PRODUCTS

Have access to all video from anywhere in the home. Each and every room can display high-quality video from VCRs, satellite receivers, TVs, cameras and more, using these RF "distribution" products.

### VDA38B 3x8 BI-DIRECTIONAL RF DISTRIBUTION AMPLIFIER

ORDER NO. VDA38B



The VDA38B is the heart of any RF distribution system. This three-IN by eight-OUT bi-directional RF distribution amplifier connects as many as eight televisions to cable or antenna while maintaining optimum signal strength to all TVs. The VDA38B is perfect for bi-directional cable systems, providing a 5-42MHz back channel for cable modems or interactive set-top boxes.

#### FEATURES

- 3 x 8 RF distribution amplifier
- Bi-directional – ideal for cable systems, cable modems or interactive set-top boxes
- 5 grid spaces

#### SPECIFICATIONS

Gain:

CATV / Antenna port to output ..... 3dB  
Modulator input to output ..... -10dB  
Output to CATV (reverse) ..... -15dB

Isolation ..... >35dB

Modulator input to CATV / Ant. .... 54-1000MHz forward, 5-42MHz reverse

Max CATV / Ant input ..... 20dBmV (+85dBuV)

Power supply ..... 15VDC @ 300mA (incl.)

### VDA38H 3x8 HIGH-HEADROOM RF DISTRIBUTION AMPLIFIER

ORDER NO. VDA38H



The VDA38H is a three-IN by eight-OUT high-headroom RF distribution amplifier for antenna or uni-directional cable systems. It offers the highest headroom of any coax panel available on the market. Like the VDA38B, the VDA38H connects as many as eight televisions to cable or antenna while maintaining optimum signal strength to all TVs. It also has the capability of sending IR down each coax run for control of local TVs or video source components.

#### FEATURES

- 3 x 8 RF distribution amplifier
- High-headroom for off-air antenna applications
- Transmits IR down coax for local source control
- 5 grid spaces

#### SPECIFICATIONS

Gain:

CATV / Antenna port to output ..... 3dB  
Modulator input to output ..... -10dB

Isolation ..... >80dB

Modulator input to CATV / Ant ..... 5-1000MHz fwd

Max CATV / Antenna input ..... 20dBmV (+85dBuV)

Power supply ..... 15VDC @ 300mA (incl.)

### VDA16B 1x6 BI-DIRECTIONAL RF DISTRIBUTION AMPLIFIER

ORDER NO. VDA16B



The VDA16B can route CATV or antenna signals to up to six TVs and features outputs for four short runs and two long runs. The broadband 54-806MHz amplifier and 5-42MHz reverse channel is compatible with pay-per-view, interactive cable and cable modems.

#### FEATURES

- 1 x 6 bi-directional RF amplifier
- Reverse channel compatible w / pay-per-view, interactive cable & cable modems
- Independent outputs for long & short cable runs
- 6 grid spaces

#### SPECIFICATIONS

Typical @ 77°F ± 50°F (25°C ± 5°C)

Output run distance	150 ft.	75 ft.
Forward Gain:	4dB	1dB
Reverse Gain:	-8dB	-12dB

Bandwidth:

Forward ..... 54-806MHz

Reverse ..... 5-42MHz

Max CATV / Ant input (64 ch) ..... 20dBmV

Power supply ..... 15VDC @ 300mA (incl.)

## VA20B BI-DIRECTIONAL RF AMPLIFIER

ORDER NO. VA20B



This bi-directional RF amplifier features 20dB of gain and a 5-40MHz return path, making it ideal for use in distributed CATV systems.

### FEATURES

- +20dB of gain
- Bi-directional
- 5-40MHz return path
- 6 grid spaces

### SPECIFICATIONS

Gain	.....	20dB +/- 1.0dB
Bandwidth		
Forward	.....	54-1000MHz
Reverse	.....	5-40MHz
Max. Output	.....	30dBmV (90dBuV)
Power Supply (incl.)	.....	12VAC

## VA18 50-1GHz, +18dB RF AMPLIFIER

ORDER NO. VA18



The VA18 is a high-power, low-noise, low-distortion RF amplifier suitable for all off-air and uni-directional CATV applications as well as VHF (high and low), FM, Midband, Superband, Hyperband, Ultraband and UHF. It features flat response from 50Hz to 1GHz and a gain of +18dB. The push-pull circuit design incorporates surface mount and strip line technologies for high reliability and small size.

### FEATURES

- Ideal for off-air, uni-directional CATV, VHF, FM, Midband, Superband, Hyperband, Ultraband & UHF
- SW grid mounting ears (incl.)
- For indoor use only
- 10 grid spaces

### SPECIFICATIONS

Gain	.....	18dB
Bandwidth	.....	50MHz-1GHz
Max output @ all freqs		
6 channels	.....	48dBmV
48 channels	.....	39dBmV
Power supply	.....	15VDC @ 600mA (incl.)

## VH4 4-WAY RF HUB

ORDER NO. VH4



The VH4 is a bi-directional 4-way Splitter / Combiner with a 1GHz bandwidth mounted on an ELAN SW Grid-Compatible Bracket.

### FEATURES

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run
- 6 grid spaces

### SPECIFICATIONS

Bandwidth	.....	1GHz
-130dB RFI rejection		
Insertion loss	.....	9.0dB

## VH8 8-WAY RF HUB

ORDER NO. VH8



The VH8 is an 8-way Splitter with a 1GHz bandwidth mounted on an ELAN SW Grid-Compatible Bracket.

### FEATURES

- Splits 1 signal to send to 8 coax runs
- 5 grid spaces

### SPECIFICATIONS

Bandwidth	.....	1GHz
Insertion Loss	.....	12.0dB

## SPLITTER/COMBINERS

The ELAN SW line of bi-directional two-, four- and eight-way Splitter/Combiners provide a 1GHz bandwidth and are ideal for antenna and coaxial cable operations. The splitter/ combiner is one product that can be used for two applications. It can be used to split a signal from a source or combine signals from multiple sources onto one coax run.

### SPL8 8-WAY SPLITTER / COMBINER

ORDER NO. SPL8



### FEATURES

- Splits 1 signal to send to 8 coax runs
- Combines 8 signals onto 1 coax run

### SPECIFICATIONS

Bandwidth	.....	1GHz
		-130dB RFI rejection
Insertion Loss	.....	12dB

### SPL4 4-WAY SPLITTER / COMBINER

ORDER NO. SPL4



### FEATURES

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run

### SPECIFICATIONS

Bandwidth	.....	1GHz
		-130dB RFI rejection
Insertion Loss	.....	9dB

### SPL2 2-WAY SPLITTER / COMBINER

ORDER NO. SPL2



### FEATURES

- Splits 1 signal to send to 2 coax runs
- Combines 2 signals onto 1 coax run

### SPECIFICATIONS

Bandwidth	.....	1GHz
		-130dB RFI rejection
Insertion Loss	.....	4dB

## SW WALL PLATES

### HTWP700 HOME THEATER WALL PLATE



ORDER NO. HTWP700



A quick, easy and professional-looking way to dress home theater speaker wire runs, the HTWP700 has all the speaker terminals needed for 5.1, 6.1 or 7.1 surround sound systems. This double-gang wall plate features eighteen five-way gold plated speaker binding posts for the connections of front, rear, surround, and center channels. Connections for both passive and powered subwoofers are also provided.

#### FEATURES

- Hex nut speaker binding posts for quick & easy connections
- Accommodates all the speakers for 5.1, 6.1 & 7.1 surround sound systems
- Powered & passive subwoofer connections
- Fits in a standard 2-gang box
- Available in White only

### HTWP200 / HTWP100

#### DUAL SPEAKER WALL PLATE / SINGLE SPEAKER WALL PLATE



ORDER NO. HTWP200/HTWP100



HTWP200

HTWP100

The HTWP200 and HTWP100 provide an attractive way to connect house wiring to individual freestanding speakers or passive subwoofers. Gold-plated, color-coded binding posts accept up to 6AWG wire, spade lugs or banana jacks. The unobtrusive Decora®-style insert design fits in a single-gang box.

#### FEATURES

- Hex nut speaker binding posts for quick & easy connections
- Decora®-style single-gang insert
- Available in White only

## BJACK BLACKJACK BANANA PLUGS

ORDER NO. BJack



Tired of paying more for an inferior product? The BlackJack has heavy-duty, gold-plated, spring-loaded binding posts with knurled screw-down nuts – a high-quality product for any audio amplifier or speaker termination at a very affordable price.

- Gold-plated, spring-loaded posts
- Accepts up to 6AWG wire
- Black & Red bands indicate polarity
- Available in pkgs. of 6
- Also available in 50-pair bulk packs (order no. BJACKBP)

- Precision Panels
- A/V Wall Plates
- Power Supplies



## Accessories

## PRECISION PANELS

ELAN Precision Panels provide the Custom Installer with a clean, professional and trouble-free trim-out of the plethora of wires and cables.

Featuring clearly labeled rear panel punchdowns and front panel jacks for nearly every system connection, each Precision Panel not only makes for a precise and

orderly trim-out, but can save hours of installation time by virtually eliminating misconnections and making trouble-shooting (if necessary) fast and efficient.

All ELAN Precision Panels can be mounted in-wall (see PBKT6P, pg. 92) or in a standard 19-inch wide equipment rack (see PRM2, pg. 92).

### SPP SYSTEM PRECISION PANEL

ORDER NO. SPP



#### FEATURES

- The one Precision Panel for all ELAN Multi-Room Controllers
- For use w/ S128P, S86P, S86A, S66A & SS1
- Provides quick, clean, reliable connectivity for all system wire runs
- In-wall or rack-mountable w/ PRM2 Precision Panel Rack Mount Kit

#### Dimensions

Wall cut-out (in.) 8 W x 10-1/2 H  
(mm) 204 W x 267 H

Installed w/ frame (in.) 9-3/4 W x 12 H  
(mm) 248 W x 305 H

### PVIA!4 VIA!® FOUR-ZONE WALL PLATE & POWER SUPPLY

ORDER NO. PVIA4



#### FEATURES

- Powers up to 4 VIA! Touch Panels
- 4 zone-specific IR output ports
- IR "ALL" ports
- 16V, 4A power supply (incl.)
- Fits in standard 2-gang box

### PVIA!1 VIA!® SINGLE-ZONE WALL PLATE & POWER SUPPLY

ORDER NO. PVIA1



#### FEATURES

- Powers a single VIA! Touch Panel
- IR output port
- 16V, 1.2A power supply (incl.)
- Single-gang Decora® design

### PSP12 12-PAIR SPEAKER PRECISION PANEL

ORDER NO. PSP12



### PSP6 6-PAIR SPEAKER PRECISION PANEL

ORDER NO. PSP6



#### FEATURES FOR BOTH

- Easy-turn hex nut binding posts
- Connect speakers in every room to amps at the head end
- PSP12: full-size panel w/ connections for 12 pr. of speakers
- PSP6: 1/2-frame panel w/ connections for 6 pr. of speakers
- Binding posts accept up to 12AWG, spade lugs or banana plugs
- PSP6 requires PF2 Precision Panel Frame for installation, see pg. 92

#### PSP12 Dimensions

Wall Cutout (in.) 8 W x 10-1/2 H

(mm) 204 W x 267 H

Installed w/ frame (in.) 9-3/4 W x 12 H

(mm) 248 W x 305 H

### BJACK BLACKJACK BANANA PLUGS

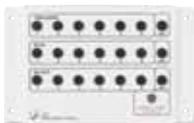
ORDER NO. BJack



Tired of paying more for an inferior product? The BlackJack has heavy-duty, gold-plated, spring-loaded binding posts with knurled screw-down nuts – a high-quality product for any audio amplifier or speaker termination at a very affordable price.

## PVSE ELECTRONIC VOLUME CONTROL PRECISION PANEL

ORDER NO. PVSE



### FEATURES

- 1/2-frame Precision Panel for all ELAN Electronic Volume Controls
- Easy to interface w / SPP Precision Panels
- Multiple PVSEs can be linked
- 110 punch-down connectors w / clearly labeled silkscreen for error-free terminations
- Front panel trigger, IR IN / OUT jacks for stand-alone applications
- PWR12 12V, 2A power supply (incl.)
- Fits in PF2 Precision Panel Frame (required for installation), see below

## PF2 PRECISION PANEL FRAME

ORDER NO. PF2



### FEATURES

- Frame & insert for installing two half-frame Precision Panels
- Blank half-frame plate & mounting screws (incl.)
- PBKT6P Rough-In Brackets avail. in pkgs. of 6
- The PF2 is required for the installation of all half-frame Precision Panels

### Dimensions

Wall Cutout. (in.) 8 W x 10-1/2 H  
(mm) 204 W x 267 H

Installed w / Frame (in.) 9-3/4 W x 12 H  
(mm) 248 W x 305 H

## PV12 VIDEO PRECISION PANEL

ORDER NO. PV12

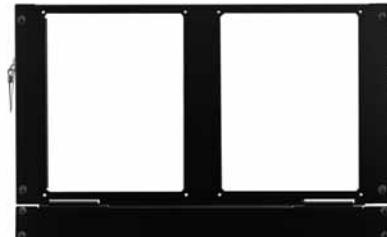


### FEATURES

- 1/2-frame Video Precision Panel
- 12 F-to-RCA connectors
- Angled flanges for easy & safe coax wire management
- Perfect for use w / S128P, S86P, S86A, V85 & V8
- Fits in PF2 Precision Panel Frame (required for installation), see below

## PRM2 PRECISION PANEL RACK-MOUNT KIT

ORDER NO. PRM2



### FEATURES

- Easy rack-mount solution for any ELAN Precision Panel
- Accommodates combinations of full & half-frame Precision Panels
- Hinged front panel w / support cables for easy punchdown connections
- Galvanized steel construction for maximum strength
- 8 Rack-mount & 8 panel-mount screws (incl.)

### Dimensions

(in.) 19 W x 12-1/2 (7u) H  
(mm) 483 W x 318 H

Note: Half-frame Precision Panels require PF2 Precision Panel Frame for mounting.

## PMP6 6-HOLE MODULAR PRECISION PANEL

ORDER NO. PMP6

## PMP3 3-HOLE MODULAR PRECISION PANEL

ORDER NO. PMP3



### FEATURES FOR BOTH

- Organize head-end Volume Controls, PVIA!1s or any custom-configured modular wall plate
- PMP6 holds 6 Decora®-style modular wall plates
- PMP3 holds 3 Decora®-style modular wall plates
- PMP3 requires PF2 Precision Panel Frame for installation

### PMP6 Dimensions

Wall Cutout (in.) 8 W x 10-1/2 H  
(mm) 204 W x 267 H  
Installed w / Frame (in.) 9-3/4 W x 12 H  
(mm) 248 W x 305 H

## PBKT6P PRECISION PANEL ROUGH-IN BRACKETS

ORDER NO. PBKT6P



### FEATURES

- 20-gauge steel frame
- Router-friendly
- For use w / SPP, PSP12, PMP6 Precision Panels & PF2 Precision Panel Frame
- Available in pkgs. of 6

# AUDIO/VIDEO WALL PLATES



## CVWP COMPONENT VIDEO WALL PLATE KIT

ORDER NO. CVWP



The Component Video Wall Plate (CVWP) Kit extends high –and standard– definition component video wire runs up to 500 ft. over Cat-5 cable. The CVWP can be used in any system that requires component video signals be sent over long distances, and is the perfect mate to the S128P Multi-Room A/V Controller.

The CVWP can also be used to distribute local component video sources, such as DVD players and satellite receivers, back to the head end for house-

wide distribution through a S128P or other video switchers.

The CVWP Kit consists of 2 single-gang, Decora®-style wall plates: a SEND plate and a RECEIVE plate. DIP switches on the RECEIVE plate adjust the video gain level and contrast based on wire run length. Both plates also have F-to-F barrel connectors for routing digital audio over coaxial cable.

### FEATURES

- Send component video signals up to 500 ft. w / o signal loss using Cat-5 cable
- Ideal for S128P component video distribution
- DIP-switch configurable for different wire run lengths
- Digital coax audio connectors
- Single-gang, Decora®-styling

## CVRP COMPONENT VIDEO RECEIVE PLATE

ORDER NO. CVRP



For use with the V85 Component Video Controller, the CVRP provides an easy, loss-free way to terminate Cat-5 wire runs on the back side and a component video cable on the front. DIP switches allow you to adjust the video gain level and contrast based on the length of the Cat-5 wire run.

### FEATURES

- For use with V85 Component Video Controller
- Easy connection of Cat-5 video wire run & component video cable
- DIP-switch configurable for different wire run lengths
- Single-gang, Decora®-styling
- Available in White

## LSWP S128P LOCAL SOURCE WALL PLATE KIT

ORDER NO. LSWP



Designed for use with the S128P's eight Local Source Inputs, the LSWP sends audio from any local source (e.g. a CD player in the Master Bedroom) back down to the S128P, and IR control signals from the S128P back to the local source.

Audio and IR are transmitted over a single run of Cat-5. Balanced differential line drivers ensure noise-free audio from sources located up to 300 ft. from the S128P. An IR OUT jack allows you to connect an IR emitter (included) for control of the source from that zone.

### Kit includes:

- (1) Local Source Wall Plate
- (1) IR Emitter
- (2) 1-Meter Stereo Interconnect Cables
- (1) Leviton® Frame

### SPECIFICATIONS

#### Send Plate

Input Imp.	75 Ohms, 1V pk-pk (3.4V max)
Output Imp.	50 Ohms
Bandwidth	450MHz (-3dB)
Channel Separation	90dB
Power	16VDC, 1.5A (incl.)

#### Receive Plate

Input Imp.	50 Ohms, (4.0V max)
Output Imp.	75 Ohms, 1V pk-pk (3.5V max)
Bandwidth: 150MHz	(125MHz@500 ft.)
THD	-50dBc
Network Gain	1.0
Power	Supplied by Send Plate
Style	White Decora®-style only

### SPECIFICATIONS

#### Send Plate

Input Imp.	75 Ohms, 1V pk-pk (3.4V max)
Output Imp.	50 Ohms
Bandwidth	450MHz (-3dB)
Channel Separation	90dB
Power	16VDC, 1.5A (incl.)

#### Receive Plate

Input Imp.	50 Ohms, (4.0V max)
Output Imp.	75 Ohms, 1V pk-pk (3.5V max)
Bandwidth: 150MHz	(125MHz@500 ft.)
THD	-50dBc
Network Gain	1.0
Power	Supplied by Send Plate
Style	White Decora®-style only

### SPECIFICATIONS

Input Level	0 – 2V RMS
Gain	+1dB at Source plate, -1dB at S12, 0dB total
Freq. Resp.	20Hz to 20kHz, +/-0.5dB
THD + Noise	<0.01%
IR Output Level	+12V
IR Bandwidth	100kHz
Wire Requirements	(Audio / IR) Cat-5, (Video) RG-6 Coax
Style	White Decora®-style only

## RSWP REMOTE SOURCE WALL PLATE KIT

ORDER NO. RSWP



With the RSWP, any A/V source in any multi-room system can be located anywhere in the house.

The RSWP sends audio and video from any remotely-located A/V source (e.g. a DVD player in the Master Bedroom) back down to the head end, and IR control signals from the head end back to

the source over a single run of Cat-5. Balanced differential line drivers ensure noise-free audio from sources located up to 300 ft. from the head end. IR In/Out jacks on each plate allow for system-wide control of each source. An RCA-to-video connector sends video back to the system over RG-6 coaxial cable.

### Kit includes:

- (1) Source Wall Plate
- (1) System Wall Plate
- (1) IR Emitter
- (1) IR Interconnect Cable
- (2) 1M Stereo Interconnect Cables
- (2) 1M Video Interconnect Cables
- (2) Leviton® Frames
- (1) +12VDC Power Supply

### SPECIFICATIONS

Input Level	0 – 2V RMS
Gain	+1dB at Source plate, -1dB @ System plate, 0dB total
Freq. Resp.	20Hz to 20kHz, +/-0.5dB
THD + Noise	<0.01%
IR Input / Output Levels	+12V
IR Bandwidth	100kHz
Wire Requirements	(Audio / IR) Cat-5, (Video) RG-6 Coax
Input Power	+12VDC
Style	White Decora®-style only

## POWER SUPPLIES

Many of the ELAN products that require external power supplies already have them included in the box. There are, however, other products where the type of power supply needed is determined by the system's configuration. The SPP Precision Panel, for example, might require a PWR4 or PWR10 depending on the number of VIA!® Touch Panels in the system.

ELAN makes a number of these power supplies available for separate purchase. The table below details their specifications and product-specific applications.



PWR4



PWR10

Catalog Order No.	Output Voltage	Max. Load Current	Max. Power Output	Output Connection	Type	Regulated	Input Voltage	Included with:	Also for use with:
PWR1	16 VDC	1.5A	24W		Switcher	YES	100 to 240VAC	CVWP, PVIA1, VIA1-SR1, IR LEARNER, VIAVALET-10.0EM	N/A
PWR2	12 VDC	200mA	2.4W		Switcher	YES	100 to 240VAC	IRKIT	IRD4
PWR3	12 VDC	2.1A	25W		Switcher	YES	100 to 240VAC	CAM5000, SIM2, SS1, IP8	IRD4
PWR4	16 VDC	4.3A	68W	DIN	Switcher	YES	100 to 240VAC	PVIA4	PS12 w/up to 4 VIA!s
PWR9	9 VDC	100mA	0.9W		Linear	NO	120VAC (only)	N/A	SPP
PWR10	16 VDC	10A	160W	Binding Posts	Switcher	YES	100 to 240VAC	N/A	SPP, PS12 w/ up to 10 VIA!s
PWR12	12 VDC	2.1A	25W		Switcher	YES	100 to 240VAC	PZ600, PVSE	VSE2, PZ6

- Five Star Customer Service Program
- Power of Three – Business Benefits
- Power of Three – Training Benefits
  - Online Training
  - HomeLogic
  - Sunfire

"Just like family, ELAN has always been there to help us grow and prosper. And now, with HomeLogic and Sunfire, the family has grown – providing us with even more opportunities for higher profits, the best one-stop training and service, and the most powerful lineup of products under one roof!"

– Ryan Heringer  
 Sound Concepts, LLC  
 Jonesboro, AR



## Dealer Programs & Benefits



# The ELAN FIVE-STAR Customer Service Standard

★ Protection ★ Responsiveness ★ Convenience ★ Cost Containment ★ Satisfaction

As part of our mission to be the best in the business, in June of 2007 ELAN introduced its new FIVE STAR CUSTOMER SERVICE STANDARD.

This industry-first program not only raises the bar for Dealer and Client support, it sets a whole new benchmark.

Through our commitment to the five basic tenets of better customer service – Protection, Responsiveness, Convenience, Cost Containment and Satisfaction – this program constitutes a pledge to you and your clients that ELAN will always go the extra mile.

#### **ELIMINATION OF ALL NTF SERVICE FEES**

ELAN will no longer charge a fee for units returned for service and subsequently found to be fully functional as per manufacturer's specifications.

#### **A NEW, ROBUST SURGE POLICY**

During a product's warranty period, units sent back for service will not be classified as "surge damaged" unless there is clear evidence the unit has taken a direct surge and that other electronics in the system or home were also affected. Our Service Manager will review every case to ensure this policy is upheld.

#### **UPS CALL TAGS ISSUED FOR ALL OBFS**

UPS Call Tags will be issued by ELAN for any product deemed an Out-of-Box Failure (OBF) by our Customer Service team. Call Tags will be valid for three days upon receipt.

#### **ADVANCE REPLACEMENT OF 26 "SYSTEM CRITICAL" PRODUCTS**

Certain "System Critical" products have the ability to leave a Client's system inoperable should they fail. If a "System Critical" product fails within its warranty period, ELAN will send an advance replacement unit (subject to availability) to the Dealer at no charge.



#### **TWO-STRIKE, NO-QUESTIONS-ASKED REPLACEMENT POLICY**

If any ELAN product fails for a second time in the same home/installation due to manufacturer's defect while within the warranty period, we will replace it with a new unit, no questions asked.

#### **INSTANT COMMUNICATIONS ON REPAIR STATUS**

Newly implemented Repair Tracking software will enable our team to provide you with regular e-mail communications regarding the status of any unit returned to ELAN. From the moment we receive a unit, through the evaluation and repair process, and return ship date, you will always be in-the-know as to the exact status of your returned product.

**Check out [elanhomesystems.com/dealer/fivestar](http://elanhomesystems.com/dealer/fivestar) today!**


**ELAN®**
**HOMELOGIC®**
**Sunfire®**
**SEE WHAT THE POWER OF THREE CAN DO FOR YOU!**

## Higher Profit Margins

### POWER OF THREE (P3) DFI PROGRAM

P3 Dealers have the opportunity to substantially increase their profit margins like no other brand in the industry through the combined ELAN, HomeLogic and Sunfire new DFI Program. This powerful Dealer tool combines purchases from all three companies to meet annual sales goals and offers you greater collective.

### THE BEST IN INTEGRATION

P3 products are designed to work together. Because we are sister Companies, the goals of more seamless integration can finally be realized like no other products. Our combined engineering forces have, and will continue to develop systems that integrate with each other while complimenting each of our brand's strongest assets. Together, we bring whole-house entertainment, IP-based home control and luxury home theater together like never before, so you can deliver your clients the only complete home experience. What this means to your Company is less time designing systems, programming, on site work, support time, and ultimately – increased profitability.

### ALL-IN-ONE TRAINING

Product training is essential to doing business. Between airfare costs and time away from the job site, this can be very costly, eating into precious profit margins and taking your staff out of the office more than necessary. P3 Dealers have a huge, cost- and time-saving advantage in that our Companies offer

combined brand training in numerous locations around the country on a regular basis. Find out more about P3 Hands-On Training on the following page.

## Unmatched, Across-the-Board Customer Support

### TECHNICAL SUPPORT

With a single phone call, P3 Dealers can reach Technical Support Specialists that are fully trained on all ELAN, HomeLogic and Sunfire products, programming and integration. Additionally, P3 boasts a unique in-field Regional Associate team of highly-skilled technicians and educators who are 'on call' to deliver on-site support for Dealers in their respective territories.

### SALES SUPPORT

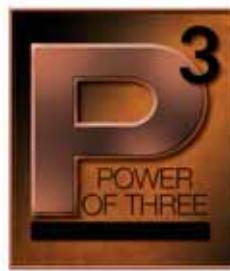
Each P3 Dealer has the advantage of a single point of contact for all ELAN and Sunfire sales-related transactions. In 2009, we will be folding HomeLogic sales support into our Lexington Inside Sales team as well. Your dedicated Inside Sales representative makes it easy to order, check inventory and confirm shipping status of all P3 products and not have to make multiple calls as you would do when supporting three independent lines from different manufacturers.



For more information on becoming a P3 Dealer, contact your ELAN Regional Sales Manager or call 859.269.7760.

## The Power of Three

**Leverage our powerful family of Companies, technologies and services to build your business like never before.**

**ELAN****HOMELOGIC****Sunfire**

## PRODUCT TRAINING

**3 Exclusive Brands**  
**7 National Training Centers**  
**1 Consolidated Training Program for**

**Whole House Entertainment • IP-Based Home Control • Luxury Home Theater**

Only the **Power of Three** offers Dealers in-depth, hands-on training that encompasses the products and systems you need to provide your clients with a complete whole-home experience. And only the combined resources of ELAN, HomeLogic and Sunfire have the power to bring this training close to home.

With our seven, fully-equipped National Training Centers, **P3** Dealers can invest in their employee's expertise and their businesses' growth with huge savings in both time and money.

**P3** Training eliminates the need to travel to different cities around the country to train on the three things your business thrives on – multi-room entertainment, whole-home control and premium home theater systems.

**P3** Training means you save big on travel expenses and, just as importantly, the amount of time your key personnel are away from their primary duties.

Ultimately, **P3** Product Training means higher profit margins for you and expertly installed systems for your clients.



### All **P3** Training Centers feature:

#### **P3 Corporate Training Centers**

Marblehead, MA (East) • Lexington, KY (Central) • Carlsbad, CA (West)

#### **P3 Regional Training Centers**

Orlando, FL (Southeast) • Kansas City, MO (Central) • Denver, CO (Mountain) • Scottsdale, AZ (Southwest)

**Fully-equipped racks loaded with ELAN, HomeLogic & Sunfire products for real hands-on training**

**Integration Partner systems for hands-on Systems Integration Training**

**System Design, Installation and Programming classes**

For more information on becoming a **P3** Dealer, contact your ELAN Regional Sales Manager or call 859.269.7760

**Class schedules are continuously being added and are available at**  
**[elanhomesystems.com/dealer](http://elanhomesystems.com/dealer)**



## The Custom Installation Industry's Best Online Resource for Training!

**Access Our Online Multi-Room Entertainment, IP-Based Home Control & Luxury Home Theater Training Anytime, Anywhere.**

**LEARN** at your convenience and pace – from your home or office.

**TRAIN** on all ELAN, HomeLogic & Sunfire products with ease.

**GAIN** new insight into our products, programming and applications.

**ACCESS** special tips and techniques for your installation success.

**SAVE** valuable money and time – no travel costs – especially important in today's changing world!

**ADD** to your company's bottom line – training reduces time and hassle on-jobsites.

ELAN, HomeLogic & Sunfire pride themselves on supporting our Dealers with world-class training and technical services. We provide our training using a variety of delivery methods including 7 hands-on training centers located around the country, and our online Universities, first established by the award-winning ELAN U in 2003.

Today, over 175,000 courses have been taken on ELAN U, and over 4,200 certificates have been issued.

Sunfire U, established in 2008, has quickly become the premiere online educational resource for Home Theater and new courses will be added in 2009. And now, HomeLogic U, newly added in mid 2009, is ready to establish a new standard for online training in IP-based home control.

Each program is continuously expanding to best support ELAN, HomeLogic and Sunfire Dealers and their businesses. In 2008, over 38 new courses were added on ELAN and an additional 8 courses for Sunfire.

ELAN U, HomeLogic U and Sunfire U are dedicated to providing all the information you need to be most successful with installing and supporting all our products. It is offered to all ELAN HomeLogic and Sunfire Dealers. All are at YOUR service 24/7/365.



ELAN Training & Customer Service Programs - Winner 2007 CEA Mark of Excellence Award. ELAN is regularly honored with awards, survey rankings and Dealer comments as having the best custom installation training.

**Check out [elanu.com](http://elanu.com) • [homelogicu.com](http://homelogicu.com) • [sunfireu.com](http://sunfireu.com) today!**

## Sophisticated Control. Simple Solutions.



### Meeting Your Clients' Every Wish.

- Systems Integration
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- Remote Home Access
- Green Monitoring



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- Reduce Programming from Weeks to Days
- Deliver Must-Have Features No Other Company Provides
- Achieve Higher Client Satisfaction
- Benefit from Low to No Call Backs
- Move on to the Next Job with Peace of Mind

Get the edge on selling sophisticated home control. Contact HomeLogic or your ELAN Regional Sales Manager for more information.

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781.639.5155

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The **POWER** of higher profits.

The **POWER** of a true business partnership.

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18 new architectural & cinema speakers.  
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